

Statistics on transport of goods by road in the central European countries

Results of the 1997 pilot surveys



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February 1999

Participating countries:

Albania
Bulgaria
Czech Republic
Estonia
Hungary
Latvia
Lithuania
Poland
Romania
Slovak Republic
Slovenia

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Foreword

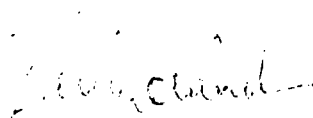
Since 1996, Eurostat, with the support of the PHARE Programme, has been engaged in a project aimed at the development of transport statistics in the central European countries. An important element of this project has been the organization of pilot surveys of road freight transport in eleven countries, using a harmonized methodology and aiming at the production of a common set of tables containing comparable statistics on road freight transport.

The results of these pilot surveys are presented in this publication, together with a description of the organization of the project and of the survey methodology. These tables provide the first comprehensive statistical picture of road freight transport in the central European countries. They cover not only transport within the countries, but also freight transport across the whole of Europe by vehicles registered in these countries. This makes it possible, for the first time, to obtain a reliable picture of the extent to which the central European countries carry out road freight transport in the European Union.

The successful completion of these surveys is also positive evidence of the capacity of the national statistical systems concerned to meet the legal requirements of future membership of the European Union - which include the collection of detailed statistics on road freight transport.

In the new market economies of the central European countries, road freight transport is at the same time a key service industry and an indicator for the evolution of the whole economy. In fact, these statistics show that road freight transport is already a well-developed economic activity, and that for most countries a substantial part of this activity takes place in the context of trade with other countries; overall, international and cross-trade operations account for 46% of total tonne-kilometres.

Eurostat considers that such pilot surveys are an important step in improving statistical systems so that they can play their full part in democratic market societies. The statistical systems of the central European countries need to adapt in order to monitor market changes and to become part of the democratic discussion about economic and social decisions. With the appearance of a large number of private economic units - which are particularly numerous in the road freight transport sector - statistics have to be collected using small samples based on good registers. The results presented in this publication show what can be achieved in this direction with a strong commitment by the National Statistical Offices concerned, in cooperation with the European Union.



Yves Franchet
Director-General
Eurostat

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Background

1. In the past, information on the transport of goods by road in central European countries was obtained by the National Statistical Office from state owned transport enterprises. In any country there were only a small number of these enterprises and their staff carried out the heavy load of primary accounting to compile the data on tonnage and tonne-kilometres for the variables demanded by the National Statistical Office. Data was collected for a full year - that is a census.
2. With the move to a market economy, these large state transport companies were broken up into many smaller companies and privatised. In addition many private entrepreneurs, often owning only one vehicle, entered the transport market. National Statistical Offices found it impossible to keep track of the private entrepreneurs and the business companies objected to the burden of compiling census returns of their transport activities. A different way of collecting road goods transport statistics was required.
3. The experience of western European countries of applying sample survey techniques for the collection of this information offered a way forward.
4. A training workshop on road transport statistics was held in Berlin from 12 - 15 March 1996. This workshop concentrated on the practical and theoretical aspects of sample surveys of the carriage of goods by road, with particular reference to experience in European Union Member States.
5. Following this workshop, interested central European countries (with financial assistance from the PHARE programme) commenced the necessary preparations to carry out a pilot survey in 1997 of the transport of goods by road goods vehicles registered in their country. The object of the project was to provide these countries with assistance to carry out a first sample survey of this area. It was hoped that the countries would set up a survey system that they would be able to maintain themselves in subsequent years. The aim was to collect similar information to that collected by EU countries under the Council Directives (78/546 and 89/462) on statistical returns in respect of the carriage of goods by road.

Cooperation and support for the pilot surveys

6. Between March and June 1996 a 2-day visit was made to each of the 11 countries which were covered by the PHARE programme at that time (Albania, Bulgaria, Czech Republic, Estonia, Hungary, Latvia, Lithuania, Poland, Romania, Slovak Republic and Slovenia). In each country, confirmation was obtained of their continued willingness to participate in the pilot project. An initial indication of a wish to participate in the project had been given by the heads of the National Statistical Offices of the central European countries at the Liaison Group meeting in Vilnius in February 1996.
7. Discussions were then held with those who would be responsible for the day-to-day running of the pilot project in their country. The aim being to collect similar information to that then collected by EU countries under the Directives on road freight transport statistics. Topics covered were the information relevant to the setting up of a sample survey of the carriage of goods by road (eg. the quality and availability of relevant registers, resources in statistical offices for the survey, computing and data processing arrangements etc.). Guidance was given on the steps to be taken to enable the participating countries to commence the necessary preparations to carry out a survey in 1997 of the transport of goods by road goods vehicles registered in their country.
8. An action check-list was prepared for each country setting out a timetable for the steps that needed to be taken in order that the pilot surveys could start in January 1997. This was given to the project leader in each country (where the first meeting was in late April or May it was sent in early April in order that some planning work could proceed in advance of the meeting).

9. A seminar, hosted by the Hungarian Central Statistical Office in Budapest, was organised in July 1996 for central European countries participating in the project. At this meeting the countries outlined the plans they had made for their surveys and the experts present gave advice on problems which countries raised. Further detailed guidance was given, in papers prepared by the experts, on specific aspects. These were: the NST/R classification of goods and the link with the HS classification; the treatment of journeys with more than one loading or unloading stop. The need for this extra guidance had become apparent during the first visits.
10. Delegates to the Budapest seminar were also informed of the set of tables that would be required by Eurostat of results from the pilot survey. These tables were designed to provide similar information to that collected by EU countries from Member States under the Directives on road freight transport statistics. In addition, tables were specified showing some of the additional information that the pilot surveys were collecting. This additional information was that which it was thought Eurostat, at the beginning of 1996, proposed to include in the revision of these directives.
11. The opportunity was also taken at the Budapest seminar to check on the computing software that the countries intended to use for the pilot survey. Hungary had already started a road transport survey and provided delegates with the opportunity to see the operation of their survey by a visit to the Budapest regional statistical office. The methods by which the computer programs managed and controlled the weekly dispatch of questionnaires, reminders for outstanding responses and checking of data impressed delegates.
12. The Hungarian Central Statistical Office had offered to make their program available to the project for use by other countries if the work of conversion to an English language version was funded. The Slovak Republic and Slovenia were interested in this option as they had the Oracle software on which the Hungarian system was based. Most of the other countries proposed to use Foxpro. An opportunity was provided at the seminar for further discussions between delegates from the Slovak Republic and Slovenia and the Hungarian programmers on the Hungarian computer programs for the pilot survey.
13. Further assistance in planning the surveys was provided between September and December 1996 by a 4-day visit by an expert to each country, except for Slovenia where, by mutual agreement, the visit was postponed until March 1997. As it was not possible for one person to visit all the countries within the time scale, three consultants took part in these visits.
14. In each country, the plans that had been made to mount the pilot survey were reviewed and advice given on any problems. This included:
 - looking at the design of the questionnaires;
 - notes of guidance on completion of the questionnaires and the covering letters;
 - time-tables for dispatch of questionnaires and reminders for non-response;
 - sample design and stratification;
 - arrangements for drawing the samples, generally involving liaison with those maintaining the vehicle register (usually the police via the Ministry of the Interior);
 - staffing and material resources required over the survey period;
 - dealing with any queries on coding and classifications.
15. A meeting to discuss aspects of the Oracle computer program package was held in Budapest in December 1996 between delegates from Hungary, Slovak Republic, Slovenia and Eurostat. A further meeting between the project coordinator and the Hungarian Central Statistical Office took place in January 1997 to prepare in detail the specifications for the computer system and confirm the timings agreed in outline at the December 1996 meeting.
16. At the time of these meetings it appeared feasible that the Oracle programs could be installed in both the Slovak Republic and Slovenia, at the latest, by early April which would permit the surveys to start on 1 May in these countries. At the meetings Hungary had been asked to make every effort to try to bring the timetable forward by one month to enable the surveys to start in April. However, due to staff problems in Hungary, the programs were not installed in the Slovak Republic and Slovenia until the end of May 1997. The result was that the surveys in these two countries did not start until the beginning of July 1997.

17. Hungary had started a sample survey of domestic road transport in October 1995 but was unable to modify the survey to include international transport until the middle of 1997. For this reason the period of results provided by Hungary for the pilot survey cover the same period as for the Slovak Republic and Slovenia, that is, from July 1997 to June 1998.
18. Early in 1997, the three consultants met to discuss and plan the work that would be done during the second consultancy visits. This was to ensure that each country visited received similar assistance. A diskette of Excel spreadsheets for the entry of the data for the tables of results from the survey had been prepared and copies of this diskette were given to each expert to pass on to the countries during their visit. A diskette had also been prepared of spreadsheets that could be used for the calculation of standard errors of the survey estimates; copies of which were also made for distribution to countries.
19. Further assistance in the grossing up and calculating sample error rates for the surveys was provided by a 3 - 4 day visit by the same expert who made the first 4 day visit to provide planning assistance to each participating CEE country. These visits took place, in agreement with the countries, in the second half of 1997 or early 1998.
20. The format of each of these visits was similar. First, the country reported on the progress of the survey. After the first few weeks all countries had settled into a routine for carrying out the many tasks to be done each week and had coped well. For each week they had tabulated the number in the selected sample, the number of questionnaires returned within the requested time period, the number returned after first and after second reminders. The countries were surprised at the high level of response they had achieved by using reminders and the interest shown by hauliers in the survey.
21. An examination was made of the analysis that had been prepared of the questionnaires returned by type of response where no activity had been recorded. That is, whether the vehicle had been sold, scrapped, under repair, not being used (by reason), etc. Advice was given on the allocation of these various responses to the groups of "valid survey response", "treat as non-response" or "treat as not part of survey due to inadequacies of survey register". The reasoning for the allocation was explained. From this information, calculations were made of the overall response rate to date for the pilot survey and a check made to see if the country was on target to achieve 3900 valid responses over the year. This was the target set for achieved sample size at the beginning of the project.
22. The quality of the vehicle register (used as the survey register) was, in general, not as good as the people responsible for maintaining these registers had claimed. Between 10 and 35% of selected owners of vehicles could not be contacted, either due to deficiencies in addresses or the vehicle had been scrapped, sold or was not within the scope of the survey. To compensate for the inaccuracies of the Vehicle Registers, some countries increased the weekly sample size and, where possible, excluded vehicles over 20 years old as experience indicated that most of them no longer existed.
23. A session of the visit was spent dealing with coding queries that had arisen from the completed questionnaires. Most of these queries related to the commodity classification NST/R or the treatment of journeys with 2 to 4 stops. In general, the survey staff had already made the correct decision on coding and were seeking confirmation of their decision.
24. The grossing up of the survey results was discussed and the preparation of the tables of survey results required by Eurostat examined. A diskette of Excel spreadsheets for these tables was given to each country. The diskette also contained a further six spreadsheet tables that were included to illustrate to the staff that they could produce many other tables of results from the survey. In the past these countries have collected aggregate data in tabular form that could not be analysed in a different format. The individualised data collected by this pilot survey was a new experience for these countries and they needed encouragement to think how to exploit it to the full.

25. The experts then moved on to the consideration of the calculation of standard errors, using the data collected from the pilot survey for the first quarter. Before the visit, countries were sent details of the calculations that were required using the non-grossed up data (of tonnes lifted and tonne-kilometres carried) collected for the first quarter of the pilot survey. This data was entered onto the pre-prepared spreadsheets (see paragraph 18) and the expert explained the various stages of the calculations that would produce the standard error estimates of the means. This information was entered onto further spreadsheets that calculated an improved sample stratification for future years for the survey. The expert also demonstrated how the spreadsheets could be used to calculate how large a sample should be taken to provide sample estimate within a desired range of accuracy.
26. A final session of the visit was spent going over some of the points previously covered, where the staff wanted further clarification or confirmation of their understanding.
27. Much of the work of project co-ordination after the visits in 1997 involved liaison and the giving of advice, by telephone and fax, to the staff in the central European countries working on the project.

Conduct of the pilot survey

28. The time between initial approval of the project at Vilnius in February 1996 and the start of the field work in January 1997 was extremely short. Financial considerations dictated the very short time that could be given to preparation for the road freight transport pilot survey. The staff of these countries which worked on the project deserve congratulation for the great effort they devoted to this stage of the project which is reflected by the successful outcome of the sample surveys.
29. The project leader in each participating country made contact with the Ministry that maintained their Vehicle Register (normally the Ministry of the Interior) to establish the type of information held on the Register. They also established the mechanisms by which data from the Register for selected vehicles could be made available to the National Statistical Office. Arrangements were also made to carry out a small test of the accuracy of the data on the Vehicle Register.
30. Advice was to stratify the sample by load capacity of vehicle because it was known that this would reduce sample variance significantly. This was not possible in two countries where stratification was by age of vehicle. In another country gross vehicle weight was used as a proxy for load capacity. Road tractors formed a separate stratum of the sample in all countries. Where information was available on load capacity countries applied a lower level cut-off to exclude vehicles with very small load capacities. The cut-off chosen varied between 1 tonne and 2 tonnes. In some countries it was not possible to identify special purpose vehicles (such as cranes) from goods vehicles.
31. All countries covered work carried by companies and private businesses out both on "own account" and for "hire or reward". Information was collected on domestic and international haulage by road goods vehicles on the national vehicle register. In two countries it was not possible to collect data on the transport of dangerous goods due to insufficient time being available to give the legally required notice.
32. As recommended, all countries carried out pre-tests of their questionnaires. They also pre-tested their survey management and computer assisted arrangements for dispatch, follow-up, receipt and coding of questionnaires. In five countries the work of dispatch, follow-up, receipt and coding was carried out in the regional offices of the National Statistical Office. The use of regional offices (36 in one country) placed an extra responsibility on the project leader in a country of ensuring a common understanding of the tasks to be performed and in controlling the quality of the work. In the other six countries the work was done centrally.
33. One aim of the project was that countries should try to get a minimum of 3900 returned questionnaires over the 12-month survey period. Accepting that there would be some non-response, a minimum dispatch of 5200 questionnaires had been recommended although countries were free to decide the number sent. The number of questionnaires dispatched in the survey period by most countries was between 5200 and 7000 although one country sent nearly 15000. In terms of the total number of relevant goods vehicles in a country, the percentage selected for the pilot survey varied from 2.5 per cent to 24 per cent in some of the smaller countries. However, in terms of the total number of weeks of work that could be performed by all the vehicles in the country the sample percentage was always under one half of a percentage point. The survey only collected data on the activity of a sampled vehicle for one week during the survey period; the sample being spread over the 52 weeks of the survey period.

34. Two countries used interviewers to contact selected owners of vehicles; in other countries contact was by post. Response was very good averaging over 80%; ranging from over 90% in three countries with the lowest being 61%. Where vehicle owners did not respond by the required date, reminders were issued in all countries. Most countries used at least two reminders in an attempt to obtain responses. The value of reminders is illustrated by the fact that, on average, one third of all responses were received after reminders - in two countries over half of responses came in after reminders.
35. Not all the returned questionnaires could be used as many could not be filled in. As has already been mentioned, the quality of the vehicle registers used as sampling frames was not as good as expected and generally even worse than indicated by the small pre-test that had been carried out prior to the start of the actual survey.
36. As a percentage of all questionnaires returned, cases where the vehicle register information was incorrect was as high as 45% and was generally in the range 20 – 30% . In only one country was the percentage as low as 4% - a figure that could be taken as an indication of an up-to-date register. Many countries increased the number in the weekly sample from the second quarter of the survey period having observed the accuracy problems with the vehicle register during the first few weeks of the survey.
37. Typical errors on the vehicle register were:
 - the address of the owner of a vehicle recorded on the register was insufficient for the post to deliver the questionnaire;
 - the person at the given address had either sold the vehicle (often many months or even years ago) or had never owned the vehicle;
 - the vehicle had been scrapped;
 - the vehicle was not within the scope of the survey either because it was not a goods vehicle or it was below the cut-off level of load capacity;
 - the vehicle was leased to another operator.

Results of the pilot survey

38. In all countries the number of questionnaires returned over the 12-month survey period containing positive information about the activity of a vehicle exceeded the desired target of 3900. There was considerable variation in the percentage of vehicles that had recorded working activity during the survey week. The survey indicated that in most countries less than half of goods vehicles are working at any one time, although two countries recorded that two-thirds of vehicles were working during the survey week.
39. As would be expected for road goods transport, the majority of the tonnage carried was in national (domestic) transport. A high percentage of this was "own account" transport although there was considerable variation between countries. However, in terms of tonne-kilometres performed international (and cross-trade) transport had the higher percentage share and the "own account" share was correspondingly lower. This is to be expected as most of international road goods transport is carried out for "hire or reward".
40. Information was also collected on non-productive running of vehicles (empty running or carriage of returned packaging only). In terms of the total vehicle kilometres for national transport, the survey indicates that, on average, around one third of the kilometres performed are non-productive and over 90 per cent of this is empty running.
41. As part of the project, participants calculated the sample errors for the estimates of tonnes and tonne-kilometres derived from the survey. These sample errors, defined as the percentage standard error estimates (95% confidence) were generally within the range of 5 to 10% for both tonnes and tonne-kilometres for those countries that were able to stratify their sample by the load capacity of vehicles. However, the standard errors for those countries not able to stratify their sample by load capacity were around double those of the other countries.

42. The standard errors calculated for the pilot surveys carried out under this project indicate the value of the availability of information on the load capacity of goods vehicles on the vehicle register. To reduce a standard error by one half requires a sample to be four times as large. Or put another way, for a survey of road goods haulage to achieve the same standard error, if the sample can be stratified by load capacity of vehicles the sample can be four times smaller than if capacity data is not available.

Future surveys

43. Having carried out the pilot sample surveys under this project, all countries have indicated that they consider they have gained sufficient knowledge and experience to be able to repeat the survey and to modify any aspects to deal with particular problems encountered during the pilot.
44. All of the countries that participated in the pilot project have indicated that they hope to continue to use sampling methods to measure road goods transport activity. However, only five countries are continuing the survey in 1998. The other countries have indicated that they would hope to resume surveys within a year or two, in many cases when improvements have been made to the accuracy of their vehicle register.
45. Improving the accuracy of the vehicle registers in most central European countries needs to be a prime objective, not only for the continuation of these surveys but, one would surmise, for the control by the authorities of the use of motor vehicles in that country. It is to be hoped that the proof of the inaccuracies of the vehicle register shown by the pilot survey will serve as a spur to those responsible for the vehicle registers to take steps to improve their accuracy.

Table 1. Summary results of pilot surveys: goods traffic by type of traffic, 1997

	National traffic	International traffic	Crosstrade traffic	All traffic	Total own account traffic	National traffic as % all traffic	Own account traffic as % all traffic
	Tonnes (million)					%	%
All countries	2 005,22	77,97	8,07	2 091,27	1 080,74	96	52
Albania	18,76	0,30	0,02	19,08	5,20	98	27
Bulgaria	141,35	2,79	0,05	144,18	100,51	98	70
Czech Republic	482,93	34,30	4,25	521,48	298,84	93	57
Estonia	11,69	1,09	0,28	13,07	4,76	89	36
Hungary ¹	262,46	5,66	0,34	268,46	111,03	98	41
Latvia	23,50	1,49	0,18	25,17	16,46	93	65
Lithuania	37,11	1,91	0,41	39,44	21,35	94	54
Poland	657,51	19,87	0,86	678,24	278,96	97	41
Romania	244,62	1,66	0,02	246,30	177,01	99	72
Slovak Republic ¹	75,87	4,48	1,15	81,50	44,09	93	54
Slovenia ¹	49,42	4,42	0,50	54,35	22,52	91	41
	Tonne-kilometres (1000 million)					%	%
All countries	86,62	65,69	9,08	161,39	43,26	54	27
Albania	0,69	0,11	0,00	0,81	0,29	86	35
Bulgaria	2,90	3,30	0,08	6,28	2,63	46	42
Czech Republic	17,05	21,12	2,47	40,64	9,86	42	24
Estonia	0,77	1,15	0,30	2,23	0,36	35	16
Hungary ¹	11,59	6,46	0,46	18,51	4,63	63	25
Latvia	1,19	1,73	0,43	3,35	1,03	35	31
Lithuania	1,42	2,28	0,96	4,66	1,18	31	25
Poland	41,26	19,91	2,28	63,45	16,43	65	26
Romania	6,37	2,76	0,05	9,18	5,17	69	56
Slovak Republic ¹	1,71	4,10	1,47	7,27	1,00	24	14
Slovenia ¹	1,67	2,77	0,57	5,01	0,70	33	14

¹ Data for quarters 3 and 4 of 1997 plus quarters 1 and 2 of 1998

Table 2. Goods traffic by type of traffic - tonnes, 1997

	(1 000 tonnes)			
	Total	National traffic	Received from foreign countries	Dispatched to foreign countries
Total				
All countries	2 083 195	2 005 225	32 864	45 106
Albania	19 059	18 759	279	21
Bulgaria	144 135	141 346	400	2 390
Czech Republic	517 231	482 934	13 985	20 312
Estonia	12 786	11 692	371	724
Hungary ¹	268 113	262 456	2 189	3 468
Latvia	24 986	23 500	555	932
Lithuania	39 022	37 111	691	1 221
Poland	677 385	657 510	9 694	10 181
Romania	246 279	244 621	760	898
Slovak Republic ¹	80 354	75 873	1 658	2 823
Slovenia ¹	53 844	49 423	2 283	2 138
For hire or reward				
All countries	1 002 831	933 079	29 443	40 308
Albania	13 874	13 724	136	14
Bulgaria	43 620	41 694	202	1 724
Czech Republic	218 467	187 441	12 787	18 239
Estonia	8 025	7 011	355	660
Hungary ¹	157 115	152 131	1 997	2 987
Latvia	8 523	7 314	371	839
Lithuania	17 690	16 088	478	1 124
Poland	398 425	380 013	8 841	9 570
Romania	69 274	68 079	596	598
Slovak Republic ¹	36 474	32 319	1 558	2 597
Slovenia ¹	31 343	27 265	2 122	1 956
On own account				
All countries	1 080 364	1 072 146	3 421	4 798
Albania	5 185	5 036	143	6
Bulgaria	100 515	99 652	197	666
Czech Republic	298 764	295 493	1 199	2 073
Estonia	4 761	4 681	16	64
Hungary ¹	110 998	110 325	192	481
Latvia	16 463	16 186	184	93
Lithuania	21 332	21 023	213	96
Poland	278 961	277 497	853	611
Romania	177 005	176 541	164	300
Slovak Republic ¹	43 880	43 554	100	226
Slovenia ¹	22 501	22 158	161	182

¹ Data for quarters 3 and 4 of 1997 plus quarters 1 and 2 of 1998

Table 3. Goods traffic by type of traffic - tonne-kilometres, 1997

	<i>(million tonne-kilometres)</i>			
	Total	National traffic	Received from foreign countries	Dispatched to foreign countries
Total				
All countries	152 306	86 618	28 007	37 682
Albania	803	693	101	9
Bulgaria	6 198	2 896	422	2 880
Czech Republic	38 166	17 046	9 387	11 733
Estonia	1 925	773	416	736
Hungary ¹	18 048	11 588	2 575	3 885
Latvia	2 920	1 188	640	1 091
Lithuania	3 700	1 423	702	1 574
Poland	61 168	41 256	9 720	10 191
Romania	9 130	6 373	1 342	1 415
Slovak Republic ¹	5 805	1 710	1 420	2 675
Slovenia ¹	4 444	1 671	1 282	1 492
For hire or reward				
All countries	109 198	48 848	25 778	34 572
Albania	520	472	42	6
Bulgaria	3 567	1 144	264	2 160
Czech Republic	28 344	8 710	8 727	10 907
Estonia	1 568	508	406	654
Hungary ¹	13 433	7 379	2 400	3 654
Latvia	1 894	385	506	1 004
Lithuania	2 572	588	488	1 496
Poland	44 734	25 746	9 285	9 703
Romania	3 963	1 813	1 053	1 097
Slovak Republic ¹	4 845	972	1 379	2 494
Slovenia ¹	3 757	1 132	1 230	1 396
On own account				
All countries	43 109	37 769	2 229	3 111
Albania	283	221	59	3
Bulgaria	2 631	1 752	158	721
Czech Republic	9 822	8 335	661	826
Estonia	357	265	10	82
Hungary ¹	4 615	4 210	174	231
Latvia	1 026	804	134	88
Lithuania	1 128	836	215	78
Poland	16 433	15 510	435	488
Romania	5 166	4 560	289	318
Slovak Republic ¹	960	737	41	182
Slovenia ¹	687	539	52	96

¹ Data for quarters 3 and 4 of 1997 plus quarters 1 and 2 of 1998

Table 4. National goods traffic by NST/R chapter, 1997

	Total traffic	For hire or reward	Total traffic	For hire or reward
	(1 000 tonnes)		(million tkm)	
Chapters 0 - 9				
All countries	2 005 225	933 079	86 618	48 848
Albania	18 759	13 724	693	472
Bulgaria	141 346	41 694	2 896	1 144
Czech Republic	482 934	187 441	17 046	8 710
Estonia	11 692	7 011	773	508
Hungary ¹	262 456	152 131	11 588	7 379
Latvia	23 500	7 314	1 188	385
Lithuania	37 111	16 088	1 423	588
Poland	657 510	380 013	41 256	25 746
Romania	244 621	68 079	6 373	1 813
Slovak Republic ¹	75 873	32 319	1 710	972
Slovenia ¹	49 423	27 265	1 671	1 132
Chapter 0				
All countries	195 802	76 486	10 111	5 272
Albania	2 542	1 982	152	110
Bulgaria	9 342	2 380	352	148
Czech Republic	33 828	11 407	1 386	592
Estonia	2 316	1 094	211	111
Hungary ¹	46 263	18 508	1 830	1 198
Latvia	8 157	1 711	540	148
Lithuania	3 565	1 452	172	89
Poland	51 506	29 982	4 233	2 406
Romania	27 212	3 990	885	279
Slovak Republic ¹	8 012	2 016	186	72
Slovenia ¹	3 060	1 965	164	120
Chapter 1				
All countries	217 026	80 309	17 421	7 961
Albania	2 877	2 047	161	105
Bulgaria	8 665	3 642	385	181
Czech Republic	61 572	19 932	4 005	1 738
Estonia	2 631	1 062	153	92
Hungary ¹	34 731	15 244	2 648	1 469
Latvia	3 297	729	226	67
Lithuania	2 582	1 034	287	119
Poland	76 174	29 073	7 805	3 505
Romania	16 059	2 870	1 210	320
Slovak Republic ¹	5 608	3 118	330	228
Slovenia ¹	2 831	1 558	210	138

Table 4. National goods traffic by NST/R chapter, 1997
(continued)

	Total traffic	For hire or reward	Total traffic	For hire or reward
	(1 000 tonnes)		(million tkm)	
Chapter 2				
All countries	69 029	34 381	2 465	1 481
Albania	37	36	2	2
Bulgaria	8 071	3 024	45	13
Czech Republic	15 197	8 604	274	195
Estonia	500	483	19	17
Hungary ¹	4 454	3 950	107	77
Latvia	216	135	6	4
Lithuania	209	165	11	6
Poland	28 392	15 509	1 920	1 116
Romania	11 511	2 183	67	39
Slovak Republic ¹	234	120	3	2
Slovenia ¹	208	172	10	10
Chapter 3				
All countries	68 986	28 746	4 337	2 575
Albania	261	149	19	11
Bulgaria	2 264	835	184	96
Czech Republic	14 588	8 147	1 020	719
Estonia	622	340	42	27
Hungary ¹	9 759	6 536	602	378
Latvia	984	154	67	14
Lithuania	1 826	493	151	30
Poland	32 742	9 532	1 690	1 036
Romania	3 585	646	314	39
Slovak Republic ¹	521	334	41	31
Slovenia ¹	1 834	1 579	207	193
Chapter 4				
All countries	39 466	14 555	1 263	543
Albania	342	208	16	10
Bulgaria	4 422	759	91	61
Czech Republic	7 974	1 787	186	80
Estonia	78	-	2	-
Hungary ¹	2 350	937	94	44
Latvia	133	28	7	2
Lithuania	389	88	16	3
Poland	9 527	3 955	721	310
Romania	13 032	6 340	108	19
Slovak Republic ¹	932	427	17	12
Slovenia ¹	287	27	5	3

Table 4. National goods traffic by NST/R chapter, 1997
(continued)

	Total traffic	For hire or reward	Total traffic	For hire or reward
	(1 000 tonnes)		(million tkm)	
Chapter 5				
All countries	49 034	21 967	4 035	2 397
Albania	375	219	20	12
Bulgaria	3 353	462	197	67
Czech Republic	6 883	4 354	340	184
Estonia	281	144	15	5
Hungary ¹	5 112	2 940	387	269
Latvia	249	9	9	1
Lithuania	481	192	56	21
Poland	20 604	9 645	2 544	1 605
Romania	8 563	2 469	277	97
Slovak Republic ¹	1 492	573	101	69
Slovenia ¹	1 641	961	88	68
Chapter 6				
All countries	971 900	497 666	23 715	14 856
Albania	10 343	7 809	232	174
Bulgaria	81 004	24 399	683	220
Czech Republic	207 497	79 757	4 477	2 419
Estonia	3 950	3 160	229	193
Hungary ¹	72 503	51 790	2 489	1 886
Latvia	8 375	4 022	205	104
Lithuania	24 134	11 197	516	244
Poland	360 843	234 449	11 916	8 271
Romania	131 681	42 373	1 736	611
Slovak Republic ¹	41 589	22 157	635	355
Slovenia ¹	29 981	16 554	598	379
Chapter 7				
All countries	35 577	9 525	1 313	872
Albania	314	255	7	6
Bulgaria	873	159	29	11
Czech Republic	10 748	1 231	174	53
Estonia	378	369	30	30
Hungary ¹	4 882	1 366	179	117
Latvia	504	175	23	14
Lithuania	1 000	788	10	7
Poland	5 990	3 718	760	611
Romania	692	56	32	1
Slovak Republic ¹	9 355	596	58	12
Slovenia ¹	841	812	11	10

Table 4. National goods traffic by NST/R chapter, 1997
(continued)

	Total traffic	For hire or reward	Total traffic	For hire or reward
	(1 000 tonnes)		(million tkm)	
Chapter 8				
All countries	45 799	25 156	5 207	3 930
Albania	216	139	15	8
Bulgaria	2 991	803	210	73
Czech Republic	6 171	3 479	629	413
Estonia	26	16	2	1
Hungary ¹	4 276	2 271	380	235
Latvia	184	42	13	7
Lithuania	149	81	22	15
Poland	23 748	16 321	3 520	3 030
Romania	4 997	1 173	302	90
Slovak Republic ¹	2 454	591	71	36
Slovenia ¹	586	240	43	21
Chapter 9				
All countries	312 607	144 288	16 751	8 962
Albania	1 452	881	69	34
Bulgaria	20 361	5 233	720	275
Czech Republic	118 477	48 745	4 554	2 318
Estonia	909	343	70	32
Hungary ¹	78 126	48 589	2 872	1 706
Latvia	1 402	309	95	24
Lithuania	2 777	596	181	52
Poland	47 985	27 830	6 147	3 855
Romania	27 289	5 980	1 441	319
Slovak Republic ¹	5 676	2 387	268	157
Slovenia ¹	8 154	3 397	335	190

¹ Data for quarters 3 and 4 of 1997 plus quarters 1 and 2 of 1998

Table 5. National goods traffic by distance carried, 1997

	Total	<50 km	50 - 149 km	150 - 499 km	>500 km	Total	<50 km	50 - 149 km	150 - 499 km	>500 km
	(1 000 tonnes)					(million tkm)				
Total										
All countries	2 005 229	1 539 876	305 322	147 496	12 534	86 618	18 774	25 089	35 996	6 759
Albania	18 759	14 645	3 260	854	-	693	231	283	179	-
Bulgaria	141 346	127 452	9 075	4 550	268	2 896	979	656	1 117	144
Czech Republic	482 934	378 602	84 776	19 347	209	17 046	5 307	6 893	4 723	122
Estonia	11 692	5 755	4 064	1 842	30	773	124	328	304	17
Hungary ¹	262 458	190 398	47 870	23 523	667	11 588	2 633	3 901	4 830	225
Latvia	23 500	15 722	5 251	2 516	10	1 188	258	426	499	5
Lithuania	37 111	29 789	5 266	2 056	-	1 423	357	592	474	-
Poland	657 510	458 375	110 342	78 640	10 154	41 256	5 777	9 285	20 676	5 519
Romania	244 621	214 759	20 153	8 671	1 038	6 373	1 996	1 559	2 168	649
Slovak Republic ¹	75 876	66 632	6 712	2 438	94	1 710	635	525	507	44
Slovenia ¹	49 422	37 746	8 553	3 059	64	1 671	476	641	520	34
For hire or reward										
All countries	933 077	678 803	156 152	89 793	8 329	48 848	8 809	13 151	22 509	4 379
Albania	13 724	10 912	2 301	511	-	472	173	198	102	-
Bulgaria	41 694	35 855	3 427	2 228	184	1 144	251	258	537	98
Czech Republic	187 441	135 621	39 964	11 672	184	8 710	2 281	3 348	2 972	109
Estonia	7 011	3 036	2 865	1 093	16	508	67	243	186	12
Hungary ¹	152 129	107 903	28 728	15 097	401	7 378	1 567	2 404	3 266	141
Latvia	7 314	4 937	1 458	918	-	385	66	134	185	-
Lithuania	16 088	12 921	2 301	866	-	588	171	218	199	-
Poland	380 013	262 047	59 955	50 939	7 073	25 746	3 228	5 145	13 647	3 725
Romania	68 079	59 216	6 090	2 405	369	1 813	466	481	631	235
Slovak Republic ¹	32 318	26 824	3 682	1 759	53	972	288	285	371	29
Slovenia ¹	27 266	19 532	5 381	2 304	49	1 132	253	437	413	29
On own account										
All countries	1 072 152	861 073	149 170	57 703	4 205	37 769	9 965	11 938	13 487	2 380
Albania	5 036	3 734	959	343	-	221	59	85	77	-
Bulgaria	99 652	91 597	5 648	2 322	85	1 752	728	398	580	46
Czech Republic	295 493	242 981	44 812	7 675	25	8 335	3 026	3 545	1 751	13
Estonia	4 681	2 719	1 199	748	14	265	58	85	118	4
Hungary ¹	110 329	82 495	19 142	8 426	266	4 210	1 066	1 497	1 563	84
Latvia	16 186	10 785	3 793	1 598	10	804	193	292	314	5
Lithuania	21 023	16 868	2 965	1 190	-	836	186	374	276	-
Poland	277 497	196 328	50 387	27 701	3 081	15 510	2 549	4 139	7 029	1 793
Romania	176 541	155 543	14 063	6 266	668	4 560	1 530	1 079	1 537	414
Slovak Republic ¹	43 558	39 808	3 030	679	41	738	347	239	136	16
Slovenia ¹	22 156	18 214	3 172	755	15	539	223	205	107	5

¹ Data for quarters 3 and 4 of 1997 and quarters 1 and 2 of 1998

Table 6. National goods traffic by distance and NST/R chapter, 1997

(1 000 tonnes)

	Total national traffic					of which: for hire or reward				
	Total	<50 km	50 - 149 km	150 - 499 km	>500 km	Total	<50 km	50 - 149 km	150 - 499 km	>500 km
Chapters 0 - 9										
All countries	2 005 229	1 539 876	305 322	147 496	12 534	933 077	678 803	156 152	89 793	8.329
Albania	18 759	14 645	3 260	854	-	13 724	10 912	2 301	511	-
Bulgaria	141 346	127 452	9 075	4 550	268	41 694	35 855	3 427	2 228	184
Czech Republic	482 934	378 602	84 776	19 347	209	187 441	135 621	39 964	11 672	184
Estonia	11 692	5 755	4 064	1 842	30	7 011	3 036	2 865	1 093	16
Hungary ¹	262 458	190 398	47 870	23 523	667	152 129	107 903	28 728	15 097	401
Latvia	23 500	15 722	5 251	2 516	10	7 314	4 937	1 458	918	-
Lithuania	37 111	29 789	5 266	2 056	-	16 088	12 921	2 301	866	-
Poland	657 510	458 375	110 342	78 640	10 154	380 013	262 047	59 955	50 939	7 073
Romania	244 621	214 759	20 153	8 671	1 038	68 079	59 216	6 090	2 405	369
Slovak Republic ¹	75 876	66 632	6 712	2 438	94	32 318	26 824	3 682	1 759	53
Slovenia ¹	49 422	37 746	8 553	3 059	64	27 266	19 532	5 381	2 304	49
Chapter 0										
All countries	195 805	137 447	40 526	17 236	596	76 486	45 526	20 687	9 961	312
Albania	2 542	1 487	788	266	-	1 982	1 206	605	171	-
Bulgaria	9 342	7 160	1 770	411	1	2 379	1 330	826	224	-
Czech Republic	33 828	24 609	7 928	1 291	-	11 407	7 641	3 227	539	-
Estonia	2 316	1 029	685	602	-	1 094	374	452	268	-
Hungary ¹	46 266	35 232	8 032	2 976	26	18 509	10 435	5 840	2 227	7
Latvia	8 157	4 747	2 178	1 232	-	1 711	907	434	369	-
Lithuania	3 565	2 465	820	279	-	1 452	949	281	223	-
Poland	51 506	29 431	12 682	8 898	495	29 982	17 228	7 312	5 189	252
Romania	27 212	22 224	4 106	825	58	3 990	2 798	718	435	39
Slovak Republic ¹	8 014	7 226	581	205	2	2 017	1 654	250	111	2
Slovenia ¹	3 058	1 836	956	252	14	1 963	1 004	742	205	12
Chapter 1										
All countries	217 027	107 332	69 863	36 602	3 231	80 310	36 692	23 655	17 870	2 093
Albania	2 877	1 799	839	239	-	2 047	1 342	556	149	-
Bulgaria	8 665	6 153	1 637	833	42	3 642	2 533	562	520	27
Czech Republic	61 572	31 782	24 782	4 947	62	19 932	8 484	8 680	2 726	42
Estonia	2 631	1 046	949	630	5	1 062	123	523	411	5
Hungary ¹	34 731	13 977	12 581	7 880	293	15 244	5 278	5 380	4 408	178
Latvia	3 297	1 400	1 232	661	4	729	179	297	253	-
Lithuania	2 582	1 212	721	649	-	1 034	462	239	332	-
Poland	76 174	35 948	21 165	16 620	2 442	29 073	15 022	5 017	7 391	1 643
Romania	16 059	9 889	3 265	2 589	316	2 870	1 492	692	519	167
Slovak Republic ¹	5 609	3 155	1 473	927	54	3 118	1 339	1 021	735	23
Slovenia ¹	2 831	971	1 220	627	13	1 559	437	687	427	8

Table 6. National goods traffic by distance and NST/R chapter, 1997
(continued)

(1 000 tonnes)

	Total national traffic					of which: for hire or reward				
	Total	<50 km	50 - 149 km	150 - 499 km	>500 km	Total	<50 km	50 - 149 km	150 - 499 km	>500 km
Chapter 2										
All countries	69 024	56 388	8 276	4 283	77	34 379	25 272	6 585	2 488	35
Albania	37	15	22	-	-	36	15	21	-	-
Bulgaria	8 071	7 875	167	29	-	3 024	3 013	-	10	-
Czech Republic	15 197	13 568	1 423	206	-	8 604	7 197	1 227	180	-
Estonia	500	350	150	-	-	483	350	134	-	-
Hungary ¹	4 450	4 117	175	158	-	3 949	3 756	108	85	-
Latvia	216	201	10	5	-	135	126	5	5	-
Lithuania	209	96	96	16	-	165	75	91	-	-
Poland	28 392	18 390	6 113	3 852	37	15 509	8 407	4 881	2 191	31
Romania	11 511	11 439	25	7	40	2 183	2 147	25	7	4
Slovak Republic ¹	234	227	7	-	-	120	113	7	-	-
Slovenia ¹	207	110	87	10	-	171	74	87	10	-
Chapter 3										
All countries	68 982	41 908	19 235	7 470	370	28 743	12 551	10 920	5 048	225
Albania	261	166	64	30	-	149	95	34	20	-
Bulgaria	2 264	1 405	371	486	2	835	398	147	290	-
Czech Republic	14 588	6 934	6 277	1 315	62	8 147	2 874	4 182	1 029	62
Estonia	622	352	195	75	-	340	177	109	54	-
Hungary ¹	9 756	5 820	2 960	945	31	6 534	4 033	1 924	567	10
Latvia	984	556	292	136	-	154	74	44	36	-
Lithuania	1 826	989	529	308	-	493	304	125	65	-
Poland	32 742	22 810	6 983	2 777	172	9 532	3 712	3 378	2 297	145
Romania	3 585	2 317	463	711	95	646	485	90	70	-
Slovak Republic ¹	520	233	213	74	-	333	134	138	61	-
Slovenia ¹	1 834	326	888	612	8	1 579	264	748	559	8
Chapter 4										
All countries	39 469	34 280	3 257	1 700	232	14 555	11 959	1 720	812	64
Albania	342	212	116	13	-	208	124	77	7	-
Bulgaria	4 423	4 203	87	133	-	760	627	-	133	-
Czech Republic	7 974	6 897	952	126	-	1 787	1 294	372	122	-
Estonia	78	16	63	-	-	-	-	-	-	-
Hungary ¹	2 354	1 858	307	186	3	938	743	120	72	3
Latvia	133	101	20	8	4	28	17	11	-	-
Lithuania	389	301	45	43	-	88	65	23	-	-
Poland	9 527	6 745	1 446	1 131	204	3 955	2 457	990	455	52
Romania	13 032	12 883	79	48	22	6 340	6 299	19	12	9
Slovak Republic ¹	931	803	126	2	-	426	332	92	2	-
Slovenia ¹	287	261	16	10	-	27	1	16	10	-

Table 6. National goods traffic by distance and NST/R chapter, 1997
(continued)

	Total national traffic					of which: for hire or reward				
	Total	<50 km	50 - 149 km	150 - 499 km	>500 km	Total	<50 km	50 - 149 km	150 - 499 km	>500 km
Chapter 5										
All countries	49 035	29 990	9 030	9 003	1 013	21 967	10 724	4 967	5 402	873
Albania	375	249	101	25	-	219	140	68	11	-
Bulgaria	3 353	2 611	243	494	6	462	238	49	174	-
Czech Republic	6 883	5 324	900	658	-	4 354	3 490	509	354	-
Estonia	281	184	60	38	-	144	107	34	3	-
Hungary ¹	5 112	3 042	1 185	880	5	2 940	1 510	706	724	-
Latvia	249	195	36	18	-	9	2	6	1	-
Lithuania	481	136	183	162	-	192	26	97	69	-
Poland	20 604	8 763	5 020	5 896	924	9 645	2 433	2 774	3 611	827
Romania	8 563	7 474	569	450	70	2 469	2 017	279	135	38
Slovak Republic ¹	1 493	982	346	160	5	573	264	192	112	5
Slovenia ¹	1 641	1 029	387	222	3	961	498	252	208	3
Chapter 6										
All countries	971 898	848 127	94 577	28 025	1 167	497 664	418 039	57 956	20 824	845
Albania	10 343	9 357	847	139	-	7 809	7 053	657	98	-
Bulgaria	81 004	78 162	2 458	359	25	24 399	23 101	1 091	189	18
Czech Republic	207 497	182 279	22 589	2 622	7	79 757	66 127	11 725	1 898	7
Estonia	3 950	2 249	1 417	283	-	3 160	1 670	1 267	223	-
Hungary ¹	72 501	57 622	11 686	3 147	46	51 788	40 319	8 809	2 615	45
Latvia	8 375	7 273	978	123	-	4 022	3 358	570	94	-
Lithuania	24 134	21 824	2 152	158	-	11 197	9 963	1 201	33	-
Poland	360 843	299 974	40 472	19 370	1 026	234 449	192 928	26 252	14 513	756
Romania	131 681	124 248	6 336	1 052	44	42 373	38 589	3 237	547	-
Slovak Republic ¹	41 589	38 569	2 599	412	9	22 157	20 562	1 290	296	9
Slovenia ¹	29 981	26 569	3 043	359	10	16 554	14 369	1 857	318	10
Chapter 7										
All countries	35 576	29 039	4 127	1 942	467	9 523	5 376	2 162	1 518	467
Albania	314	260	49	5	-	255	213	37	4	-
Bulgaria	873	763	48	61	-	159	114	4	42	-
Czech Republic	10 748	9 872	795	80	-	1 231	695	505	30	-
Estonia	378	141	184	53	-	369	133	184	52	-
Hungary ¹	4 882	3 939	564	363	16	1 365	663	382	304	16
Latvia	504	333	106	65	-	175	81	30	65	-
Lithuania	1 000	946	49	5	-	788	740	48	-	-
Poland	5 990	2 594	1 687	1 258	451	3 718	1 434	844	989	451
Romania	692	277	400	16	-	56	56	-	-	-
Slovak Republic ¹	9 354	9 131	207	16	-	595	485	95	15	-
Slovenia ¹	841	784	37	20	-	812	762	32	18	-

Table 6. National goods traffic by distance and NST/R chapter, 1997
(continued)

(1 000 tonnes)

	Total national traffic					of which: for hire or reward				
	Total	<50 km	50 - 149 km	150 - 499 km	>500 km	Total	<50 km	50 - 149 km	150 - 499 km	>500 km
Chapter 8										
All countries	45 802	22 927	10 274	10 672	1 928	25 158	9 339	6 309	7 831	1 678
Albania	216	102	84	31	-	139	76	47	17	-
Bulgaria	2 991	2 036	422	509	24	803	528	70	191	14
Czech Republic	6 171	2 566	2 188	1 386	31	3 479	1 303	1 157	988	31
Estonia	26	10	11	5	-	16	6	8	3	-
Hungary ¹	4 278	2 106	1 178	954	40	2 273	1 058	636	550	29
Latvia	184	115	30	39	0	42	13	0	28	-
Lithuania	149	48	36	66	-	81	22	14	46	-
Poland	23 748	9 663	5 530	6 822	1 733	16 321	5 058	3 987	5 693	1 582
Romania	4 997	3 817	465	625	89	1 173	756	229	170	18
Slovak Republic ¹	2 455	2 125	208	113	9	591	405	114	68	4
Slovenia ¹	586	339	122	123	2	240	116	47	77	-
Chapter 9										
All countries	312 612	232 438	46 159	30 563	3 452	144 292	103 326	21 192	18 039	1 735
Albania	1 452	998	350	104	-	881	648	198	34	-
Bulgaria	20 361	17 084	1 873	1 235	168	5 233	3 973	678	457	124
Czech Republic	118 477	94 770	16 943	6 717	47	48 745	36 517	8 380	3 805	43
Estonia	909	379	349	155	26	343	96	155	81	11
Hungary ¹	78 128	62 685	9 202	6 034	207	48 589	40 108	4 823	3 545	113
Latvia	1 402	802	369	229	2	309	180	61	68	-
Lithuania	2 777	1 771	636	370	-	596	315	183	98	-
Poland	47 985	24 056	9 243	12 016	2 669	27 830	13 368	4 518	8 610	1 334
Romania	27 289	20 191	4 445	2 349	303	5 980	4 577	800	510	93
Slovak Republic ¹	5 677	4 181	952	529	15	2 388	1 536	483	359	10
Slovenia ¹	8 156	5 521	1 797	824	14	3 400	2 007	913	472	8

¹ Data for quarters 3 and 4 of 1997 and quarters 1 and 2 of 1998

Table 7. National goods traffic by body type of vehicle: all vehicles, 1997

	Total traffic	Hire or reward	Own account	Total traffic	Hire or reward	Own account
	(1 000 tonnes)			(million tkm)		
Total						
All countries	2 005 225	933 078	1 072 147	86 618	48 848	37 769
Albania	18 759	13 724	5 036	693	472	221
Bulgaria	141 346	41 694	99 651	2 896	1 144	1 752
Czech Republic	482 934	187 441	295 493	17 046	8 710	8 335
Estonia	11 692	7 011	4 681	773	508	265
Hungary ¹	262 457	152 131	110 326	11 588	7 379	4 210
Latvia	23 500	7 314	16 186	1 188	385	804
Lithuania	37 111	16 088	21 023	1 423	588	836
Poland	657 510	380 013	277 497	41 256	25 746	15 510
Romania	244 621	68 079	176 541	6 373	1 813	4 560
Slovak Republic ¹	75 875	32 319	43 556	1 710	972	738
Slovenia ¹	49 420	27 264	22 156	1 671	1 132	539
Open box - flat/drop-sided						
All countries	447 271	204 018	243 253	33 874	19 188	14 686
Albania	8 578	6 619	1 958	274	189	85
Bulgaria	21 217	5 950	15 267	924	326	598
Czech Republic	166 120	75 740	90 379	7 747	4 523	3 223
Estonia	1 606	1 043	563	153	114	39
Hungary ¹	43 614	22 413	21 201	2 327	1 458	869
Latvia	4 143	1 259	2 883	368	130	237
Lithuania	3 570	1 460	2 110	291	128	163
Poland	144 241	76 631	67 610	19 441	11 521	7 920
Romania	42 089	7 333	34 756	1 867	517	1 350
Slovak Republic ¹	7 568	3 514	4 054	304	164	140
Slovenia ¹	4 525	2 055	2 470	181	117	63
Temperature controlled box						
All countries	35 094	12 455	22 640	3 550	1 491	2 059
Albania	212	173	39	14	11	3
Bulgaria	303	254	49	25	11	13
Czech Republic	14 436	4 250	10 186	907	279	628
Estonia	287	147	140	31	22	9
Hungary ¹	5 621	2 205	3 416	559	244	315
Latvia	165	6	159	17	1	15
Lithuania	231	126	105	43	25	18
Poland	9 986	4 381	5 605	1 466	776	690
Romania	3 037	416	2 620	406	66	340
Slovak Republic ¹	308	213	95	33	21	12
Slovenia ¹	508	284	224	50	35	15

Table 7. National goods traffic by body type of vehicle: all vehicles, 1997
(continued)

	Total traffic	Hire or reward	Own account	Total traffic	Hire or reward	Own account
	(1 000 tonnes)			(million tkm)		
Other closed box						
All countries	90 375	26 288	64 087	7 217	2 772	4 445
Albania	3 339	2 268	1 071	229	153	76
Bulgaria	7 896	2 464	5 432	563	212	351
Czech Republic	23 520	6 242	17 278	1 859	550	1 309
Estonia	1 278	786	492	85	49	37
Hungary ¹	15 139	2 700	12 439	1 020	237	783
Latvia	1 675	374	1 302	121	27	94
Lithuania	1 548	495	1 053	156	57	99
Poland	17 533	7 628	9 904	1 912	1 047	864
Romania	16 016	2 045	13 971	1 080	327	752
Slovak Republic ¹	1 188	650	538	89	53	36
Slovenia ¹	1 244	637	607	103	60	43
Tipper						
All countries	1 107 559	542 920	564 639	21 609	13 095	8 515
Albania	5 891	4 120	1 770	141	98	43
Bulgaria	105 569	30 577	74 992	942	335	607
Czech Republic	195 378	69 784	125 594	3 094	1 485	1 609
Estonia	4 437	2 898	1 539	205	128	78
Hungary ¹	128 080	84 972	43 108	2 961	2 304	657
Latvia	11 681	4 567	7 114	307	126	181
Lithuania	26 906	12 580	14 327	523	246	277
Poland	395 949	242 202	153 747	10 375	7 183	3 192
Romania	155 132	53 387	101 744	1 925	608	1 317
Slovak Republic ¹	50 295	22 276	28 019	671	315	355
Slovenia ¹	28 241	15 556	12 685	465	267	198
Tanker						
All countries	133 892	53 199	80 693	8 272	4 592	3 681
Albania	238	171	68	19	12	7
Bulgaria	3 532	1 333	2 199	232	134	98
Czech Republic	52 533	20 080	32 453	2 208	1 321	887
Estonia	2 306	1 199	1 107	166	120	47
Hungary ¹	14 203	7 407	6 796	712	354	358
Latvia	2 051	459	1 593	139	50	90
Lithuania	3 033	844	2 189	298	85	212
Poland	39 732	16 398	23 333	3 732	2 148	1 584
Romania	9 201	1 760	7 441	427	82	345
Slovak Republic ¹	4 969	1 764	3 205	109	72	37
Slovenia ¹	2 094	1 785	309	231	215	16

Table 7. National goods traffic by body type of vehicle: all vehicles, 1997
(continued)

	Total traffic	Hire or reward	Own account	Total traffic	Hire or reward	Own account
	(1 000 tonnes)			(million tkm)		
Livestock carrier						
All countries	7 320	2 256	5 064	740	172	568
Albania	12	12	-	2	2	-
Bulgaria	63	44	19	2	1	2
Czech Republic	-	-	-	-	-	-
Estonia	51	20	31	5	2	2
Hungary ¹	2 461	1 478	983	195	107	89
Latvia	13	6	7	2	1	1
Lithuania	143	9	134	15	1	14
Poland	3 872	604	3 268	460	49	411
Romania	457	10	447	41	2	39
Slovak Republic ¹	116	3	113	8	1	7
Slovenia ¹	133	70	63	11	8	4
Other body type						
All countries	183 714	91 944	91 770	11 356	7 539	3 816
Albania	491	361	129	14	7	7
Bulgaria	2 766	1 073	1 693	208	125	83
Czech Republic	30 947	11 346	19 601	1 231	552	679
Estonia	1 727	918	809	128	74	54
Hungary ¹	53 339	30 956	22 383	3 814	2 675	1 139
Latvia	3 772	643	3 129	236	49	186
Lithuania	1 680	574	1 106	98	46	53
Poland	46 198	32 168	14 030	3 871	3 023	849
Romania	18 689	3 128	15 561	627	211	416
Slovak Republic ¹	11 431	3 899	7 532	497	346	151
Slovenia ¹	12 675	6 877	5 798	630	430	200

¹ Data for quarters 3 and 4 of 1997 and quarters 1 and 2 of 1998

Table 8. National goods traffic by body type of vehicle: rigid vehicles, 1997

	Total traffic	Hire or reward	Own account	Total traffic	Hire or reward	Own account
	(1 000 tonnes)			(million tkm)		
Total						
All countries	1 654 462	734 307	920 155	57 186	29 531	27 656
Albania	17 768	12 911	4 857	686	466	219
Bulgaria	135 437	38 294	97 143	2 315	769	1 546
Czech Republic	346 514	106 132	240 382	9 185	3 508	5 677
Estonia	6 835	3 752	3 082	335	177	158
Hungary ¹	234 349	132 639	101 710	9 180	5 534	3 646
Latvia	18 198	5 742	12 456	799	233	565
Lithuania	30 259	13 150	17 109	853	319	533
Poland	524 454	306 440	218 013	26 287	15 823	10 464
Romania	226 545	63 863	162 682	4 895	1 197	3 698
Slovak Republic ¹	72 291	30 316	41 975	1 489	822	666
Slovenia ¹	41 813	21 067	20 746	1 163	681	482
Open box - flat/drop-sided						
All countries	344 044	138 449	205 595	21 393	10 619	10 773
Albania	7 783	5 967	1 816	268	185	83
Bulgaria	19 915	5 008	14 907	824	246	578
Czech Republic	123 665	44 762	78 904	4 195	1 903	2 292
Estonia	470	272	199	35	19	16
Hungary ¹	38 454	18 524	19 930	1 837	1 056	781
Latvia	2 314	486	1 829	172	39	132
Lithuania	1 635	627	1 008	110	32	77
Poland	103 936	52 846	51 090	12 208	6 662	5 546
Romania	35 731	5 634	30 097	1 386	291	1 095
Slovak Republic ¹	6 732	3 021	3 711	255	132	123
Slovenia ¹	3 408	1 302	2 106	102	54	49
Temperature controlled box						
All countries	25 413	5 824	19 589	2 408	715	1 692
Albania	212	173	39	14	11	3
Bulgaria	236	230	6	3	2	0
Czech Republic	9 520	439	9 081	636	95	541
Estonia	159	49	110	13	5	8
Hungary ¹	4 217	1 282	2 935	415	138	278
Latvia	15	-	15	2	-	2
Lithuania	79	7	72	17	5	12
Poland	7 780	2 935	4 845	947	384	563
Romania	2 558	318	2 240	311	46	265
Slovak Republic ¹	225	172	53	23	16	6
Slovenia ¹	411	218	193	27	13	14

Table 8. National goods traffic by body type of vehicle: rigid vehicles, 1997
(continued)

	Total traffic	Hire or reward	Own account	Total traffic	Hire or reward	Own account
	(1 000 tonnes)			(million tkm)		
Other closed box						
All countries	80 768	22 529	58 239	6 002	2 053	3 949
Albania	3 313	2 245	1 068	229	153	76
Bulgaria	6 962	1 903	5 059	427	122	305
Czech Republic	21 395	5 670	15 724	1 627	437	1 189
Estonia	1 062	631	431	66	36	30
Hungary ¹	14 738	2 651	12 087	972	230	742
Latvia	1 549	281	1 268	111	21	91
Lithuania	1 131	335	796	114	39	75
Poland	16 353	6 811	9 542	1 623	842	782
Romania	12 064	900	11 164	671	84	586
Slovak Republic ¹	1 089	572	517	77	44	33
Slovenia ¹	1 112	529	583	85	45	40
Tipper						
All countries	995 786	479 956	515 830	16 829	9 974	6 856
Albania	5 889	4 119	1 770	141	98	43
Bulgaria	104 737	30 145	74 593	887	305	582
Czech Republic	143 296	42 666	100 629	845	76	768
Estonia	3 465	2 057	1 408	134	77	57
Hungary ¹	123 538	80 552	42 986	2 601	1 949	652
Latvia	10 723	4 423	6 300	275	117	157
Lithuania	25 301	11 797	13 505	447	215	232
Poland	350 625	216 037	134 588	8 570	6 012	2 559
Romania	153 708	53 387	100 321	1 891	608	1 283
Slovak Republic ¹	49 136	21 685	27 451	641	298	343
Slovenia ¹	25 367	13 087	12 280	398	218	180
Tanker						
All countries	67 770	19 385	48 385	2 632	1 302	1 330
Albania	235	167	68	19	12	7
Bulgaria	1 358	224	1 134	51	19	32
Czech Republic	33 083	7 833	25 250	1 269	789	480
Estonia	657	256	401	23	11	12
Hungary ¹	5 931	2 906	3 025	208	122	86
Latvia	1 336	319	1 017	80	30	50
Lithuania	1 255	253	1 002	120	20	101
Poland	11 078	3 589	7 488	504	126	379
Romania	7 303	1 538	5 765	202	54	149
Slovak Republic ¹	4 635	1 638	2 997	84	64	20
Slovenia ¹	899	661	238	72	58	14

Table 8. National goods traffic by body type of vehicle: rigid vehicles, 1997
(continued)

	Total traffic	Hire or reward	Own account	Total traffic	Hire or reward	Own account
	(1 000 tonnes)			(million tkm)		
Livestock carrier						
All countries	6 137	2 186	3 951	441	159	281
Albania	12	12	-	2	2	-
Bulgaria	63	44	19	2	1	2
Czech Republic	-	-	-	-	-	-
Estonia	32	6	25	2	0	2
Hungary ¹	2 367	1 447	920	168	100	68
Latvia	13	6	7	2	1	1
Lithuania	44	-	44	4	-	4
Poland	2 939	604	2 335	206	49	157
Romania	431	-	431	37	-	37
Slovak Republic ¹	113	3	110	7	1	7
Slovenia ¹	125	64	61	10	7	3
Other body type						
All countries	134 544	65 979	68 565	7 483	4 708	2 775
Albania	325	229	96	13	6	7
Bulgaria	2 165	740	1 426	120	74	46
Czech Republic	15 554	4 761	10 793	614	207	406
Estonia	989	481	508	62	29	33
Hungary ¹	45 104	25 277	19 827	2 981	1 941	1 040
Latvia	2 249	228	2 021	158	25	132
Lithuania	815	132	683	41	8	33
Poland	31 743	23 618	8 125	2 228	1 749	479
Romania	14 749	2 084	12 665	396	113	282
Slovak Republic ¹	10 361	3 225	7 136	403	269	134
Slovenia ¹	10 491	5 206	5 285	469	287	182

¹ Data for quarters 3 and 4 of 1997 and quarters 1 and 2 of 1998

Table 9. National goods traffic by body type of vehicle: articulated vehicles, 1997

	Total traffic	Hire or reward	Own account	Total traffic	Hire or reward	Own account
	(1 000 tonnes)			(million tkm)		
Total						
All countries	350 767	198 773	151 994	29 431	19 317	10 114
Albania	992	812	179	7	6	2
Bulgaria	5 909	3 401	2 508	582	375	207
Czech Republic	136 420	81 309	55 111	7 861	5 203	2 658
Estonia	4 857	3 258	1 599	438	331	107
Hungary ¹	28 109	19 493	8 616	2 408	1 844	564
Latvia	5 302	1 572	3 730	390	151	239
Lithuania	6 852	2 937	3 915	571	268	302
Poland	133 057	73 573	59 484	14 969	9 923	5 046
Romania	18 076	4 217	13 859	1 478	616	861
Slovak Republic ¹	3 583	2 002	1 581	221	150	71
Slovenia ¹	7 611	6 199	1 412	508	450	58
Open box - flat/drop-sided						
All countries	103 230	65 571	37 659	12 482	8 569	3 912
Albania	795	652	142	6	4	1
Bulgaria	1 302	942	360	100	80	19
Czech Republic	42 454	30 979	11 475	3 551	2 620	931
Estonia	1 136	772	364	118	95	23
Hungary ¹	5 160	3 889	1 271	490	402	88
Latvia	1 829	774	1 055	196	91	105
Lithuania	1 935	833	1 102	181	95	86
Poland	40 305	23 785	16 521	7 232	4 859	2 373
Romania	6 358	1 698	4 660	481	226	255
Slovak Republic ¹	837	494	343	49	32	17
Slovenia ¹	1 119	754	365	78	64	14
Temperature controlled box						
All countries	9 682	6 632	3 050	1 142	775	367
Albania	-	-	-	-	-	-
Bulgaria	66	23	43	22	9	13
Czech Republic	4 916	3 811	1 105	271	184	87
Estonia	128	98	30	18	17	1
Hungary ¹	1 405	924	481	144	106	37
Latvia	150	6	144	14	1	13
Lithuania	152	119	33	26	20	6
Poland	2 206	1 447	759	519	392	127
Romania	478	98	380	95	20	74
Slovak Republic ¹	83	41	42	10	4	6
Slovenia ¹	97	66	31	24	22	2

Table 9. National goods traffic by body type of vehicle: articulated vehicles, 1997
(continued)

	Total traffic	Hire or reward	Own account	Total traffic	Hire or reward	Own account
	(1 000 tonnes)			(million tkm)		
Other closed box						
All countries	9 607	3 759	5 848	1 215	719	496
Albania	25	22	3	0	0	0
Bulgaria	934	561	373	136	89	46
Czech Republic	2 125	571	1 554	232	112	120
Estonia	215	154	61	19	12	7
Hungary ¹	401	49	352	49	8	41
Latvia	126	92	34	9	6	3
Lithuania	417	160	257	42	18	25
Poland	1 180	817	363	288	206	83
Romania	3 952	1 145	2 807	409	243	166
Slovak Republic ¹	99	78	21	13	10	3
Slovenia ¹	132	108	24	18	16	3
Tipper						
All countries	111 772	62 963	48 809	4 780	3 121	1 659
Albania	2	2	-	0	0	-
Bulgaria	832	432	400	55	30	25
Czech Republic	52 082	27 117	24 965	2 249	1 408	841
Estonia	972	841	131	71	51	21
Hungary ¹	4 542	4 420	122	361	355	6
Latvia	958	144	814	32	8	24
Lithuania	1 605	783	822	76	31	46
Poland	45 324	26 165	19 159	1 805	1 171	634
Romania	1 424	-	1 424	34	-	34
Slovak Republic ¹	1 158	590	568	30	18	12
Slovenia ¹	2 874	2 469	405	67	49	18
Tanker						
All countries	66 121	33 813	32 308	5 641	3 290	2 351
Albania	4	4	-	0	0	-
Bulgaria	2 174	1 109	1 065	181	116	66
Czech Republic	19 450	12 246	7 203	939	533	407
Estonia	1 649	943	706	143	109	34
Hungary ¹	8 272	4 501	3 771	504	232	272
Latvia	716	140	576	60	20	40
Lithuania	1 778	591	1 188	177	66	112
Poland	28 654	12 809	15 845	3 227	2 022	1 206
Romania	1 897	222	1 675	224	28	196
Slovak Republic ¹	333	125	208	25	9	16
Slovenia ¹	1 195	1 124	71	159	157	2

Table 9. National goods traffic by body type of vehicle: articulated vehicles, 1997
(continued)

	Total traffic	Hire or reward	Own account	Total traffic	Hire or reward	Own account
	(1 000 tonnes)			(million tkm)		
Livestock carrier						
All countries	1 182	70	1 113	299	12	287
Albania	-	-	-	-	-	-
Bulgaria	-	-	-	-	-	-
Czech Republic	-	-	-	-	-	-
Estonia	19	14	6	2	2	0
Hungary ¹	94	31	63	28	7	21
Latvia	-	-	-	-	-	-
Lithuania	99	9	90	11	1	10
Poland	933	-	933	254	-	254
Romania	26	10	16	4	2	2
Slovak Republic ¹	3	-	3	0	-	0
Slovenia ¹	8	6	2	1	0	0
Other body type						
All countries	49 172	25 965	23 207	3 873	2 831	1 042
Albania	166	132	34	1	1	0
Bulgaria	601	334	267	88	51	37
Czech Republic	15 393	6 585	8 808	617	345	272
Estonia	738	437	301	66	46	21
Hungary ¹	8 235	5 679	2 556	834	735	99
Latvia	1 523	416	1 108	78	24	54
Lithuania	865	443	423	57	38	19
Poland	14 454	8 550	5 904	1 643	1 274	370
Romania	3 940	1 044	2 896	231	97	134
Slovak Republic ¹	1 070	674	396	94	77	17
Slovenia ¹	2 186	1 672	514	161	143	18

¹ Data for quarters 3 and 4 of 1997 and quarters 1 and 2 of 1998

Table 10. National goods traffic of dangerous goods, 1997

	Total traffic	Hire or reward	Own account	Total traffic	Hire or reward	Own account
	(1 000 tonnes)			(million tkm)		
All dangerous goods						
All countries	:	:	:	:	:	:
Albania	377	229	148	29	17	11
Bulgaria	:	:	:	:	:	:
Czech Republic	52 060	19 049	33 011	2 513	1 387	1 125
Estonia	486	300	186	37	23	14
Hungary ¹	11 903	7 382	4 521	730	445	285
Latvia	1 040	171	869	70	17	54
Lithuania	1 561	529	1 031	144	31	114
Poland	:	:	:	:	:	:
Romania	9 062	1 840	7 222	588	122	466
Slovak Republic ¹	893	411	482	53	34	19
Slovenia ¹	2 138	1 747	391	232	208	24
Explosives						
All countries	:	:	:	:	:	:
Albania	1	-	1	0	-	0
Bulgaria	:	:	:	:	:	:
Czech Republic	260	-	260	7	-	7
Estonia	2	-	2	0	-	0
Hungary ¹	122	100	22	11	9	2
Latvia	1	-	1	0	-	0
Lithuania	71	36	34	3	1	2
Poland	:	:	:	:	:	:
Romania	102	26	76	20	1	18
Slovak Republic ¹	37	31	6	2	2	0
Slovenia ¹	14	7	7	1	0	1
Gases						
All countries	:	:	:	:	:	:
Albania	91	48	42	8	4	4
Bulgaria	:	:	:	:	:	:
Czech Republic	3 315	3 011	304	452	442	10
Estonia	110	81	29	8	5	3
Hungary ¹	1 278	1 031	247	156	137	19
Latvia	112	23	88	7	3	4
Lithuania	170	31	138	20	3	16
Poland	:	:	:	:	:	:
Romania	1 484	823	661	49	27	22
Slovak Republic ¹	101	61	40	6	3	2
Slovenia ¹	225	72	153	19	8	11

Table 10. National goods traffic of dangerous goods, 1997
(continued)

	Total traffic	Hire or reward	Own account	Total traffic	Hire or reward	Own account
	(1 000 tonnes)			(million tkm)		
Flammable liquids						
All countries	:	:	:	:	:	:
Albania	238	134	103	18	11	7
Bulgaria	:	:	:	:	:	:
Czech Republic	12 104	6 094	6 011	697	386	311
Estonia	370	218	152	29	18	11
Hungary ¹	8 389	5 554	2 835	471	262	209
Latvia	906	148	758	63	14	49
Lithuania	1 295	445	851	119	25	94
Poland	:	:	:	:	:	:
Romania	3 870	568	3 303	326	39	286
Slovak Republic ¹	419	244	175	37	25	12
Slovenia ¹	1 800	1 630	170	198	192	6
Flammable solids						
All countries	:	:	:	:	:	:
Albania	47	45	1	3	3	0
Bulgaria	:	:	:	:	:	:
Czech Republic	12 958	4 518	8 440	442	191	251
Estonia	0	-	0	0	-	0
Hungary ¹	599	174	425	24	10	14
Latvia	-	-	-	-	-	-
Lithuania	3	-	3	0	-	0
Poland	:	:	:	:	:	:
Romania	91	9	82	19	2	17
Slovak Republic ¹	44	36	8	1	1	0
Slovenia ¹	8	5	3	1	0	0
Oxidising substances						
All countries	:	:	:	:	:	:
Albania	-	-	-	-	-	-
Bulgaria	:	:	:	:	:	:
Czech Republic	1 285	948	336	121	95	26
Estonia	0	-	0	0	-	0
Hungary ¹	52	7	45	2	0	2
Latvia	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-
Poland	:	:	:	:	:	:
Romania	50	-	50	8	-	8
Slovak Republic ¹	22	20	2	1	1	0
Slovenia ¹	7	0	7	0	0	0

Table 10. National goods traffic of dangerous goods, 1997
(continued)

	Total traffic	Hire or reward	Own account	Total traffic	Hire or reward	Own account
	(1 000 tonnes)			(million tkm)		
Poisonous substances						
All countries	:	:	:	:	:	:
Albania	1	1	-	0	0	-
Bulgaria	:	:	:	:	:	:
Czech Republic	9 131	870	8 261	154	20	134
Estonia	0	-	0	0	-	0
Hungary ¹	545	124	421	11	2	9
Latvia	4	-	4	0	-	0
Lithuania	-	-	-	-	-	-
Poland	:	:	:	:	:	:
Romania	17	12	6	7	5	2
Slovak Republic ¹	1	-	1	0	-	0
Slovenia ¹	31	4	27	4	0	4
Radioactive materials						
All countries	:	:	:	:	:	:
Albania	-	-	-	-	-	-
Bulgaria	:	:	:	:	:	:
Czech Republic	-	-	-	-	-	-
Estonia	-	-	-	-	-	-
Hungary ¹	-	-	-	-	-	-
Latvia	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-
Poland	:	:	:	:	:	:
Romania	-	-	-	-	-	-
Slovak Republic ¹	-	-	-	-	-	-
Slovenia ¹	0	0	-	0	0	-
Corrosive materials						
All countries	:	:	:	:	:	:
Albania	-	-	-	-	-	-
Bulgaria	:	:	:	:	:	:
Czech Republic	411	270	141	45	36	8
Estonia	-	-	-	-	-	-
Hungary ¹	149	84	65	10	4	5
Latvia	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-
Poland	:	:	:	:	:	:
Romania	-	-	-	-	-	-
Slovak Republic ¹	1	-	1	0	-	0
Slovenia ¹	31	10	21	6	3	3

Table 10. National goods traffic of dangerous goods, 1997
(continued)

	Total traffic	Hire or reward	Own account	Total traffic	Hire or reward	Own account
	(1 000 tonnes)			(million tkm)		
Other dangerous goods						
All countries	:	:	:	:	:	:
Albania	-	-	-	-	-	-
Bulgaria	:	:	:	:	:	:
Czech Republic	12 595	3 338	9 257	596	218	378
Estonia	3	0	3	0	0	0
Hungary ¹	769	308	461	45	20	25
Latvia	17	-	17	0	-	0
Lithuania	22	17	5	3	2	1
Poland	:	:	:	:	:	:
Romania	3 448	402	3 045	160	47	113
Slovak Republic ¹	268	19	249	5	1	5
Slovenia ¹	22	19	3	4	4	0

¹ Data for quarters 3 and 4 of 1997 and quarters 1 and 2 of 1998

Table 11. National goods traffic by mode of appearance, 1997

	Total traffic	Hire or reward	Own account	Total traffic	Hire or reward	Own account
	(1 000 tonnes)			(million tkm)		
All modes of appearance						
All countries	:	:	:	:	:	:
Albania	18 759	13 724	5 036	693	472	221
Bulgaria	:	:	:	:	:	:
Czech Republic	482 934	187 441	295 493	17 046	8 710	8 335
Estonia	11 692	7 011	4 681	773	508	265
Hungary ¹	262 456	152 131	110 325	11 588	7 379	4 210
Latvia	23 500	7 314	16 186	1 188	385	804
Lithuania	37 111	16 088	21 023	1 423	588	836
Poland	657 510	380 013	277 497	41 256	25 746	15 510
Romania	244 621	68 079	176 541	6 373	1 813	4 560
Slovak Republic ¹	75 876	32 319	43 557	1 710	972	738
Slovenia ¹	49 425	27 266	22 159	1 671	1 132	540
Bulk goods						
All countries	:	:	:	:	:	:
Albania	12 752	9 380	3 373	343	245	98
Bulgaria	:	:	:	:	:	:
Czech Republic	196 259	76 645	119 614	2 987	1 504	1 483
Estonia	5 572	3 663	1 909	328	229	100
Hungary ¹	169 832	106 601	63 231	4 673	3 258	1 415
Latvia	19 582	6 175	13 407	870	281	589
Lithuania	27 965	12 598	15 367	758	307	450
Poland	477 758	286 752	191 005	18 319	11 522	6 797
Romania	210 858	61 423	149 435	3 815	1 134	2 681
Slovak Republic ¹	9 095	2 501	6 594	132	72	60
Slovenia ¹	33 810	18 339	15 471	678	434	245
Large freight containers						
All countries	:	:	:	:	:	:
Albania	100	65	35	7	5	2
Bulgaria	:	:	:	:	:	:
Czech Republic	4 373	1 624	2 749	172	77	95
Estonia	450	317	133	26	22	4
Hungary ¹	2 947	1 602	1 345	230	163	67
Latvia	125	117	9	8	7	1
Lithuania	52	33	20	9	5	4
Poland	14 200	7 432	6 768	1 564	1 149	415
Romania	1 533	516	1 017	104	62	42
Slovak Republic ¹	1 334	180	1 154	35	10	24
Slovenia ¹	405	173	232	23	12	11

Table 11. National goods traffic by mode of appearance, 1997
(continued)

	Total traffic	Hire or reward	Own account	Total traffic	Hire or reward	Own account
	(1 000 tonnes)			(million tkm)		
Palletised goods						
All countries	:	:	:	:	:	:
Albania	51	47	4	3	3	0
Bulgaria	:	:	:	:	:	:
Czech Republic	41 799	20 480	21 320	3 729	2 417	1 313
Estonia	775	429	346	70	42	27
Hungary ¹	25 324	15 150	10 174	2 668	1 809	859
Latvia	365	186	178	25	14	10
Lithuania	877	592	285	87	64	24
Poland	57 977	36 732	21 245	9 308	6 509	2 799
Romania	6 313	1 274	5 040	603	193	410
Slovak Republic ¹	3 202	2 044	1 158	296	235	61
Slovenia ¹	5 305	2 940	2 365	367	253	113
Other packaged goods						
All countries	:	:	:	:	:	:
Albania	2 500	1 734	766	145	86	59
Bulgaria	:	:	:	:	:	:
Czech Republic	181 896	69 176	112 720	6 124	3 010	3 115
Estonia	929	564	365	92	58	34
Hungary ¹	21 019	8 419	12 600	1 695	810	885
Latvia	2 690	687	2 003	224	68	156
Lithuania	1 850	951	898	200	99	101
Poland	56 643	22 621	34 022	7 851	4 258	3 593
Romania	7 950	1 723	6 227	734	187	547
Slovak Republic ¹	3 802	1 861	1 941	243	160	83
Slovenia ¹	5 141	2 816	2 325	319	209	110
Other goods						
All countries	:	:	:	:	:	:
Albania	3 356	2 498	858	195	133	62
Bulgaria	:	:	:	:	:	:
Czech Republic	58 607	19 516	39 090	4 033	1 703	2 329
Estonia	3 966	2 038	1 928	257	157	100
Hungary ¹	43 334	20 359	22 975	2 323	1 339	985
Latvia	738	149	589	62	14	48
Lithuania	6 367	1 914	4 453	370	113	257
Poland	50 932	26 477	24 456	4 214	2 307	1 907
Romania	17 967	3 144	14 823	1 116	237	879
Slovak Republic ¹	58 443	25 733	32 710	1 004	494	510
Slovenia ¹	4 764	2 998	1 766	284	224	61

¹ Data for quarters 3 and 4 of 1997 and quarters 1 and 2 of 1998

**Table 12. International goods traffic by nationality of carrier and NST/R chapter:
goods received from foreign countries - tonnes, 1997**

(1 000 tonnes)												
Nationality of carrier	AL	BG	CZ	EE	HU ¹	LV	LT	PL	RO	SK ¹	SI ¹	Total
Country of loading												
Chapters 0 - 9												
PHARE countries	72	19	1 645	171	404	246	312	2 165	105	690	302	6 130
Albania	.	-	-	-	-	-	-	-	-	-	-	-
Bulgaria	5	.	-	-	-	-	-	89	-	3	-	97
Czech Republic	-	-	.	6	71	7	-	977	22	333	27	1 443
Estonia	-	-	-	.	-	79	-	-	-	-	-	79
Hungary	-	-	199	3	.	8	-	185	72	240	208	915
Latvia	-	-	19	133	-	.	30	34	-	-	-	216
Lithuania	-	-	1	10	-	110	.	17	-	0	-	138
Poland	-	-	346	19	45	34	278	.	9	68	36	835
Romania	-	19	-	-	51	-	-	5	.	13	5	93
Slovak Republic	-	-	985	-	208	7	4	859	-	.	20	2 083
Slovenia	-	-	96	-	29	-	-	-	2	33	.	160
FYROM	67	-	-	-	-	-	-	-	-	-	6	73
EU 15	207	213	12 070	169	1 658	220	249	7 189	600	922	1 416	24 911
Austria	-	-	1 658	1	263	2	9	208	12	243	221	2 616
Belgium	-	-	631	2	56	11	-	451	13	51	14	1 230
Denmark	-	-	92	5	17	-	26	183	6	1	6	335
Finland	-	-	76	61	11	8	-	13	-	0	-	169
France	-	-	860	-	107	13	-	276	33	38	73	1 400
Greece	205	173	24	-	5	-	-	-	30	2	-	439
Germany	-	16	6 373	53	687	122	150	3 908	303	336	350	12 298
Ireland	-	-	-	-	-	-	-	-	-	-	-	-
Italy	2	23	813	20	341	36	5	659	100	169	638	2 807
Luxembourg	-	-	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	704	16	42	23	59	873	58	35	66	1 876
Portugal	-	-	33	-	-	-	-	-	-	-	6	39
Spain	-	-	249	11	44	-	-	223	29	31	13	599
Sweden	-	-	157	-	27	5	-	393	-	6	2	589
United Kingdom	-	-	400	-	58	-	-	3	16	10	27	514
Other countries	1	168	270	31	127	89	131	340	55	46	565	1 823
Belarus	-	-	20	4	-	8	76	-	-	-	-	108
Bosnia & Herzegovina	-	-	-	-	-	-	-	-	-	-	-	-
Croatia	-	4	41	-	12	-	-	-	-	7	518	581
Norway	-	-	37	-	-	-	-	-	-	-	3	40
Russian Federation	-	74	59	21	8	63	55	173	11	23	10	496
Yugoslavia	-	70	-	-	39	-	-	-	-	-	25	134
Switzerland	-	-	85	-	25	-	-	11	6	4	-	131
Turkey	1	7	-	-	4	-	-	9	1	-	-	22
Ukraine	-	-	28	6	8	19	-	139	-	1	9	210
Other European	-	-	-	-	31	-	-	7	9	9	-	57
North Africa	-	-	-	-	-	-	-	-	-	2	-	2
Near & Middle East	-	14	-	-	-	-	-	-	-	-	-	14
Other	-	-	-	-	-	-	-	-	27	-	-	27

**Table 12. International goods traffic by nationality of carrier and NST/R chapter:
goods received from foreign countries - tonnes, 1997 (continued)**

(1 000 tonnes)												
Nationality of carrier	AL	BG	CZ	EE	HU ¹	LV	LT	PL	RO	SK ¹	SI ¹	Total
Country of loading												
Chapter 0												
Total	112	18	1 489	88	152	105	106	773	76	224	176	3 318
Albania	.	-	-	-	-	-	-	-	-	-	.	-
Bulgaria	-	.	-	-	-	-	-	-	-	2	-	2
Czech Republic	-	-	.	-	-	-	-	-	-	13	-	13
Estonia	-	-	-	.	-	-	-	-	-	-	-	-
Hungary	-	-	2	3	.	-	-	-	3	16	89	114
Latvia	-	-	-	44	-	.	1	-	-	-	-	45
Lithuania	-	-	-	-	-	47	.	-	-	-	-	47
Poland	-	-	69	8	3	4	12	.	-	11	-	106
Romania	-	-	-	-	6	-	-	-	.	5	2	13
Slovak Republic	-	-	60	-	51	-	-	-	-	.	-	111
Slovenia	-	-	-	-	4	-	-	-	-	4	.	8
FYROM	44	-	-	-	-	-	-	-	-	-	-	44
EU 15	68	11	1 291	27	74	44	49	760	45	169	57	2 594
Other countries	-	7	68	6	14	9	44	13	27	4	28	221
Chapter 1												
Total	39	102	1 514	110	174	145	144	826	154	201	105	3 513
Albania	.	-	-	-	-	-	-	-	-	-	-	-
Bulgaria	2	.	-	-	-	-	-	33	-	-	-	35
Czech Republic	-	-	.	-	2	-	-	42	-	79	-	123
Estonia	-	-	-	.	-	26	-	-	-	-	-	26
Hungary	-	-	34	-	.	8	-	30	27	23	11	133
Latvia	-	-	-	69	-	.	7	-	-	-	-	76
Lithuania	-	-	-	-	-	5	.	-	-	-	-	5
Poland	-	-	7	-	15	12	49	.	6	14	-	103
Romania	-	4	-	-	3	-	-	-	.	-	-	7
Slovak Republic	-	-	80	-	23	7	-	-	-	.	-	110
Slovenia	-	-	28	-	-	-	-	-	-	2	.	30
FYROM	4	-	-	-	-	-	-	-	-	-	-	4
EU 15	32	70	1 328	41	119	61	84	693	106	83	91	2 708
Other countries	-	28	37	-	12	26	4	29	14	-	3	153

**Table 12. International goods traffic by nationality of carrier and NST/R chapter:
goods received from foreign countries - tonnes, 1997 (continued)**

(1 000 tonnes)												
Nationality of carrier	AL	BG	CZ	EE	HU ¹	LV	LT	PL	RO	SK ¹	SI ¹	Total
Country of loading												
Chapter 2												
Total	-	-	47	-	-	-	-	-	-	-	-	47
Albania	.	-	-	-	-	-	-	-	-	-	-	-
Bulgaria	-	.	-	-	-	-	-	-	-	-	-	-
Czech Republic	-	-	.	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	.	-	-	-	-	-	-	-	-
Hungary	-	-	-	-	.	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	.	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	.	-	-	-	-	-
Poland	-	-	-	-	-	-	-	.	-	-	-	-
Romania	-	-	-	-	-	-	-	-	.	-	-	-
Slovak Republic	-	-	18	-	-	-	-	-	-	.	-	18
Slovenia	-	-	-	-	-	-	-	-	-	-	.	-
FYROM	-	-	-	-	-	-	-	-	-	-	-	-
EU 15	-	-	29	-	-	-	-	-	-	-	-	29
Other countries	-	-	-	-	-	-	-	-	-	-	-	-
Chapter 3												
Total	41	-	1 183	16	106	37	49	177	-	196	593	2 400
Albania	.	-	-	-	-	-	-	-	-	-	-	-
Bulgaria	-	.	-	-	-	-	-	-	-	-	-	-
Czech Republic	-	-	.	-	56	-	-	-	-	11	-	67
Estonia	-	-	-	.	-	37	-	-	-	-	-	37
Hungary	-	-	-	-	.	-	-	33	-	-	23	56
Latvia	-	-	-	5	-	.	-	-	-	-	-	5
Lithuania	-	-	-	-	-	-	.	-	-	-	-	-
Poland	-	-	-	-	-	-	14	.	-	-	-	14
Romania	-	-	-	-	-	-	-	-	.	-	-	-
Slovak Republic	-	-	50	-	14	-	4	-	-	.	-	68
Slovenia	-	-	-	-	-	-	-	-	-	-	.	-
FYROM	1	-	-	-	-	-	-	-	-	-	-	1
EU 15	39	-	1 135	5	36	-	-	144	-	185	198	1 742
Other countries	-	-	-	6	-	-	31	-	-	-	372	409

**Table 12. International goods traffic by nationality of carrier and NST/R chapter:
goods received from foreign countries - tonnes, 1997 (continued)**

(1 000 tonnes)

Nationality of carrier	AL	BG	CZ	EE	HU ¹	LV	LT	PL	RO	SK ¹	SI ¹	Total
Country of loading												
Chapter 4												
Total	-	-	261	-	14	4	14	69	-	-	7	369
Albania	.	-	-	-	-	-	-	-	-	-	-	-
Bulgaria	-	.	-	-	-	-	-	-	-	-	-	-
Czech Republic	-	-	.	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	.	-	-	-	-	-	-	-	-
Hungary	-	-	-	-	.	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	.	14	-	-	-	-	14
Lithuania	-	-	-	-	-	-	.	-	-	-	-	-
Poland	-	-	-	-	-	-	-	.	-	-	-	-
Romania	-	-	-	-	-	-	-	-	.	-	-	-
Slovak Republic	-	-	131	-	-	-	-	-	-	.	-	131
Slovenia	-	-	-	-	-	-	-	-	-	-	.	-
FYROM	-	-	-	-	-	-	-	-	-	-	-	-
EU 15	-	-	130	-	4	-	-	8	-	-	7	150
Other countries	-	-	-	-	10	4	-	61	-	-	-	74
Chapter 5												
Total	12	-	801	8	179	18	33	763	45	137	225	2 221
Albania	.	-	-	-	-	-	-	-	-	-	-	-
Bulgaria	-	.	-	-	-	-	-	-	-	-	-	-
Czech Republic	-	-	.	-	-	-	-	34	-	47	6	87
Estonia	-	-	-	.	-	1	-	-	-	-	-	1
Hungary	-	-	-	-	.	-	-	-	5	3	7	15
Latvia	-	-	-	-	-	.	1	-	-	-	-	1
Lithuania	-	-	-	-	-	4	.	-	-	-	-	4
Poland	-	-	18	-	9	-	19	.	-	7	-	53
Romania	-	-	-	-	2	-	-	-	.	-	-	2
Slovak Republic	-	-	50	-	1	-	-	-	-	.	4	55
Slovenia	-	-	-	-	-	-	-	-	-	-	.	-
FYROM	-	-	-	-	-	-	-	-	-	-	-	-
EU 15	12	-	722	8	167	2	-	643	40	72	192	1 858
Other countries	-	-	10	-	0	11	13	86	-	8	16	144

**Table 12. International goods traffic by nationality of carrier and NST/R chapter:
goods received from foreign countries - tonnes, 1997 (continued)**

(1 000 tonnes)												
Nationality of carrier	AL	BG	CZ	EE	HU ¹	LV	LT	PL	RO	SK ¹	SI ¹	Total
Country of loading												
Chapter 6												
Total	41	-	1 055	25	230	51	16	1 870	60	215	392	3 956
Albania	.	-	-	-	-	-	-	-	-	-	-	-
Bulgaria	-	.	-	-	-	-	-	-	-	-	-	-
Czech Republic	-	-	.	-	-	-	-	690	-	36	6	732
Estonia	-	-	-	.	-	-	-	-	-	-	-	-
Hungary	-	-	-	-	.	-	-	-	-	130	47	177
Latvia	-	-	-	5	-	.	2	34	-	-	-	41
Lithuania	-	-	-	7	-	30	.	17	-	-	-	54
Poland	-	-	22	0	-	-	-	.	-	2	-	24
Romania	-	-	-	-	-	-	-	-	.	-	-	-
Slovak Republic	-	-	258	-	69	-	-	501	-	.	-	829
Slovenia	-	-	-	-	11	-	-	-	-	-	.	11
FYROM	4	-	-	-	-	-	-	-	-	-	-	4
EU 15	37	-	775	14	146	21	14	616	54	44	278	1 999
Other countries	-	-	-	-	4	-	-	11	6	3	61	85
Chapter 7												
Total	6	-	202	-	-	-	24	33	-	-	26	292
Albania	.	-	-	-	-	-	-	-	-	-	-	-
Bulgaria	-	.	-	-	-	-	-	-	-	-	-	-
Czech Republic	-	-	.	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	.	-	-	-	-	-	-	-	-
Hungary	-	-	-	-	.	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	.	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	.	-	-	-	-	-
Poland	-	-	-	-	-	-	-	.	-	-	-	-
Romania	-	-	-	-	-	-	-	-	.	-	-	-
Slovak Republic	-	-	42	-	-	-	-	-	-	.	-	42
Slovenia	-	-	-	-	-	-	-	-	-	-	.	-
FYROM	-	-	-	-	-	-	-	-	-	-	-	-
EU 15	6	-	160	-	-	-	24	33	-	-	12	236
Other countries	-	-	-	-	-	-	-	-	-	-	14	14

**Table 12. International goods traffic by nationality of carrier and NST/R chapter:
goods received from foreign countries - tonnes, 1997 (continued)**

(1 000 tonnes)

Nationality of carrier	AL	BG	CZ	EE	HU ¹	LV	LT	PL	RO	SK ¹	SI ¹	Total
Country of loading												
Chapter 8												
Total	10	94	2 028	29	172	23	60	1 444	151	164	64	4 239
Albania	.	-	-	-	-	-	-	-	-	-	-	-
Bulgaria	-	.	-	-	-	-	-	-	-	-	-	-
Czech Republic	-	-	.	-	8	4	-	123	16	22	3	176
Estonia	-	-	-	.	-	0	-	-	-	-	-	0
Hungary	-	-	-	-	.	-	-	122	15	21	11	169
Latvia	-	-	-	-	-	.	-	-	-	-	-	-
Lithuania	-	-	-	-	-	11	.	-	-	-	-	11
Poland	-	-	15	3	5	3	60	.	-	5	6	98
Romania	-	-	-	-	4	-	-	-	.	-	-	4
Slovak Republic	-	-	-	-	-	-	-	-	-	.	-	-
Slovenia	-	-	59	-	3	-	-	-	2	16	.	80
FYROM	6	-	-	-	-	-	-	-	-	-	-	6
EU 15	4	52	1 896	15	132	2	-	1 163	113	92	32	3 500
Other countries	-	42	57	11	20	2	0	37	5	8	12	195
Chapter 9												
Total	18	186	5 402	94	1 162	173	244	3 739	275	521	695	12 510
Albania	.	-	-	-	-	-	-	-	-	-	-	-
Bulgaria	3	.	-	-	-	-	-	56	-	1	-	59
Czech Republic	-	-	.	6	5	3	-	88	6	125	12	244
Estonia	-	-	-	.	-	15	-	-	-	-	-	15
Hungary	-	-	163	-	.	-	-	-	22	47	20	252
Latvia	-	-	19	10	-	.	5	-	-	-	-	34
Lithuania	-	-	1	3	-	12	.	-	-	0	-	16
Poland	-	-	215	8	13	15	123	.	3	29	30	437
Romania	-	15	-	-	36	-	-	5	.	8	3	67
Slovak Republic	-	-	295	-	50	-	-	358	-	.	16	719
Slovenia	-	-	8	-	11	-	-	-	-	11	.	30
FYROM	6	-	-	-	-	-	-	-	-	-	6	12
EU 15	9	80	4 603	59	980	90	77	3 130	242	277	549	10 096
Other countries	1	91	97	8	67	37	39	103	3	23	59	528

¹ Data for quarters 3 and 4 of 1997 plus quarters 1 and 2 of 1998

**Table 13. International goods traffic by nationality of carrier and type of carriage:
goods received from foreign countries - tonnes, 1997**

(1 000 tonnes)												
Nationality of carrier	AL	BG	CZ	EE	HU ¹	LV	LT	PL	RO	SK ¹	SI ¹	Total
Country of loading												
For hire or reward												
PHARE countries	56	19	1 455	162	345	128	213	1 786	80	606	280	5 130
Albania	.	-	-	-	-	-	-	-	-	-	-	-
Bulgaria	5	.	-	-	-	-	-	89	-	3	-	97
Czech Republic	-	-	.	2	71	7	-	977	22	279	24	1 382
Estonia	-	-	-	.	-	39	-	-	-	-	-	39
Hungary	-	-	197	3	.	8	-	155	47	210	191	811
Latvia	-	-	19	128	-	.	1	34	-	-	-	182
Lithuania	-	-	1	10	-	51	.	17	-	0	-	78
Poland	-	-	250	19	45	17	208	.	9	68	34	650
Romania	-	19	-	-	47	-	-	-	.	13	5	84
Slovak Republic	-	-	893	-	157	7	4	515	-	.	20	1 595
Slovenia	-	-	96	-	25	-	-	-	2	33	.	156
FYROM	51	-	-	-	-	-	-	-	-	-	6	57
EU 15	80	101	11 083	162	1 531	184	167	6 828	488	906	1 328	22 858
of which:												
Austria	-	-	1 590	1	235	2	-	188	9	242	164	2 431
France	-	-	836	-	84	13	-	276	33	38	67	1 346
Germany	-	16	5 632	53	654	95	120	3 604	214	321	333	11 041
Italy	-	14	750	20	317	36	5	643	81	169	632	2 667
Sweden	-	-	157	-	27	5	-	372	-	6	-	567
Other countries	1	83	248	31	121	58	98	227	28	46	514	1 455
of which:												
Belarus	-	-	20	4	-	2	59	-	-	-	-	85
Norway	-	-	37	-	-	-	-	-	-	-	3	40
Russian Federation	-	46	37	21	8	44	39	166	11	23	10	405
Turkey	1	7	-	-	4	-	-	-	1	-	-	13
Ukraine	-	-	28	6	4	12	-	43	-	1	9	103

**Table 13. International goods traffic by nationality of carrier and type of carriage:
goods received from foreign countries - tonnes, 1997 (continued)**

(1 000 tonnes)

Nationality of carrier	AL	BG	CZ	EE	HU ¹	LV	LT	PL	RO	SK ¹	SI ¹	Total
Country of loading												
On own account												
PHARE countries	16	-	190	9	59	117	99	379	25	84	22	1 000
Albania	-	-	-	-	-	-	-	-	-	-	-	-
Bulgaria	-	-	-	-	-	-	-	-	-	-	-	-
Czech Republic	-	-	-	4	-	-	-	-	-	54	3	61
Estonia	-	-	-	-	-	40	-	-	-	-	-	40
Hungary	-	-	2	-	-	-	-	30	25	30	17	104
Latvia	-	-	-	5	-	-	29	-	-	-	-	34
Lithuania	-	-	-	-	-	60	-	-	-	-	-	60
Poland	-	-	96	-	-	18	70	-	-	0	2	185
Romania	-	-	-	-	4	-	-	5	-	0	-	9
Slovak Republic	-	-	92	-	51	-	-	345	-	-	-	487
Slovenia	-	-	-	-	4	-	-	-	-	-	-	4
FYROM	16	-	-	-	-	-	-	-	-	-	-	16
EU 15	127	112	987	7	127	35	81	361	111	16	88	2 053
of which:												
Austria	-	-	67	-	28	-	9	20	3	1	57	185
France	-	-	25	-	23	-	-	-	-	0	6	54
Germany	-	-	741	0	33	27	30	304	90	15	17	1 257
Italy	2	9	64	-	24	-	-	16	19	0	6	140
Sweden	-	-	-	-	-	-	-	21	-	-	2	23
Other countries	-	85	22	-	6	31	32	113	27	-	51	368
of which:												
Belarus	-	-	-	-	-	6	17	-	-	-	-	23
Norway	-	-	-	-	-	-	-	-	-	-	-	-
Russian Federation	-	28	22	-	-	18	16	7	-	-	-	91
Turkey	-	-	-	-	-	-	-	9	-	-	-	9
Ukraine	-	-	-	-	4	7	-	97	-	-	-	108

¹ Data for quarters 3 and 4 of 1997 plus quarters 1 and 2 of 1998

**Table 14. International goods traffic by nationality of carrier and NST/R chapter:
goods dispatched to foreign countries - tonnes, 1997**

(1 000 tonnes)												
Nationality of carrier	AL	BG	CZ	EE	HU ¹	LV	LT	PL	RO	SK ¹	SI ¹	Total
Country of unloading												
Chapters 0 - 9												
PHARE countries	5	485	2 454	293	519	209	170	1 106	180	1 332	196	6 948
Albania	.	43	-	-	-	-	-	-	-	-	-	43
Bulgaria	-	.	28	-	-	-	-	-	107	11	0	146
Czech Republic	-	2	.	5	93	-	28	810	9	623	28	1 599
Estonia	-	13	-	.	-	40	5	50	-	-	-	108
Hungary	-	-	259	-	.	-	26	178	51	383	96	993
Latvia	-	-	19	204	-	.	51	27	-	6	-	307
Lithuania	-	-	2	60	-	89	.	26	-	0	-	177
Poland	-	54	741	24	115	67	59	.	3	213	49	1 326
Romania	-	45	-	-	97	12	-	-	.	51	0	205
Slovak Republic	-	-	1 285	-	163	-	-	15	-	.	17	1 480
Slovenia	-	-	119	-	50	-	-	-	11	45	.	225
FYROM	5	327	-	-	1	-	-	-	1	-	6	339
EU 15	15	783	17 278	237	2 646	187	494	8 109	623	1 277	1 246	32 895
Austria	-	-	2 172	-	612	5	-	156	5	120	159	3 228
Belgium	-	-	443	14	57	16	42	393	23	52	8	1 049
Denmark	-	-	157	5	16	-	-	259	1	7	14	459
Finland	-	-	81	71	27	7	-	-	-	1	-	186
France	-	-	853	13	151	27	37	479	24	54	71	1 710
Greece	15	669	16	-	5	-	-	-	-	-	-	706
Germany	-	37	11 052	99	979	111	309	4 774	373	676	372	18 781
Ireland	-	-	-	-	7	-	-	-	-	-	-	7
Italy	-	77	1 048	8	510	9	19	712	154	264	532	3 333
Luxembourg	-	-	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	643	23	107	3	65	700	27	54	40	1 661
Portugal	-	-	31	-	-	-	-	-	-	2	3	36
Spain	-	-	128	4	25	-	-	84	-	25	15	281
Sweden	-	-	136	-	46	11	-	376	-	5	4	578
United Kingdom	-	-	519	-	104	-	22	176	16	17	28	881
Other countries	-	1 122	580	194	303	536	557	966	95	214	696	5 263
Belarus	-	92	-	5	8	39	23	39	-	2	-	209
Bosnia & Herzegovina	-	-	16	-	-	-	-	-	6	1	35	58
Croatia	-	108	31	-	44	-	-	-	-	13	516	712
Norway	-	-	-	-	22	-	-	-	-	2	3	27
Russian Federation	-	270	329	176	56	454	460	638	54	134	63	2 634
Yugoslavia	-	156	-	-	39	-	-	-	-	-	72	267
Switzerland	-	-	92	-	28	3	-	-	16	2	-	141
Turkey	-	224	21	4	18	-	-	-	-	1	-	268
Ukraine	-	112	63	9	15	38	74	253	8	45	7	624
Other European	-	-	-	-	66	1	-	13	11	12	-	103
North Africa	-	-	-	-	-	-	-	-	-	2	-	2
Near & Middle East	-	42	-	-	7	-	-	23	-	-	-	72
Other	-	117	28	-	-	-	-	-	-	-	-	145

**Table 14. International goods traffic by nationality of carrier and NST/R chapter:
goods dispatched to foreign countries - tonnes, 1997 (continued)**

(1 000 tonnes)

Nationality of carrier	AL	BG	CZ	EE	HU ¹	LV	LT	PL	RO	SK ¹	SI ¹	Total
Country of unloading												
Chapter 0												
Total	1	506	2 934	103	452	237	504	2 035	239	321	172	7 505
Albania	.	-	-	-	-	-	-	-	-	-	-	-
Bulgaria	-	.	-	-	-	-	-	-	107	-	-	107
Czech Republic	-	-	.	-	-	-	28	-	-	33	3	64
Estonia	-	-	-	.	-	14	-	-	-	-	-	14
Hungary	-	-	-	-	.	-	26	-	5	102	5	139
Latvia	-	-	-	8	-	.	13	-	-	-	-	21
Lithuania	-	-	-	7	-	17	.	-	-	0	-	24
Poland	-	-	12	13	12	50	12	.	-	6	3	107
Romania	-	8	-	-	2	4	-	-	.	0	-	15
Slovak Republic	-	-	57	-	0	-	-	-	-	.	-	57
Slovenia	-	-	49	-	20	-	-	-	5	9	.	82
FYROM	-	-	-	-	-	-	-	-	-	-	-	-
EU 15	1	337	2 709	75	412	118	342	1 943	123	162	110	6 332
Other countries	-	161	108	-	6	34	83	92	-	9	51	544
Chapter 1												
Total	-	413	1 167	142	302	330	366	714	63	197	121	3 816
Albania	.	29	-	-	-	-	-	-	-	-	-	29
Bulgaria	-	.	-	-	-	-	-	-	-	-	-	-
Czech Republic	-	-	.	-	58	-	-	-	9	91	-	158
Estonia	-	-	-	.	-	7	3	-	-	-	-	10
Hungary	-	-	-	-	.	-	-	-	-	19	7	26
Latvia	-	-	-	7	-	.	31	-	-	6	-	44
Lithuania	-	-	-	4	-	27	.	10	-	-	-	41
Poland	-	54	76	-	9	3	-	.	-	4	-	146
Romania	-	7	-	-	18	-	-	-	.	8	-	33
Slovak Republic	-	-	308	-	40	-	-	6	-	.	-	354
Slovenia	-	-	-	-	7	-	-	-	-	-	.	7
FYROM	-	42	-	-	-	-	-	-	-	-	2	44
EU 15	-	28	666	20	112	-	19	353	12	25	34	1 268
Other countries	-	253	117	112	58	293	313	345	43	44	78	1 655

**Table 14. International goods traffic by nationality of carrier and NST/R chapter:
goods dispatched to foreign countries - tonnes, 1997 (continued)**

(1 000 tonnes)												
Nationality of carrier	AL	BG	CZ	EE	HU ¹	LV	LT	PL	RO	SK ¹	SI ¹	Total
Country of unloading												
Chapter 2												
Total	-	-	527	8	2	-	35	-	-	-	-	572
Albania	.	-	-	-	-	-	-	-	-	-	-	-
Bulgaria	-	.	-	-	-	-	-	-	-	-	-	-
Czech Republic	-	-	.	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	.	-	-	-	-	-	-	-	-
Hungary	-	-	-	-	.	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	.	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	.	-	-	-	-	-
Poland	-	-	-	-	-	-	-	.	-	-	-	-
Romania	-	-	-	-	-	-	-	-	.	-	-	-
Slovak Republic	-	-	20	-	-	-	-	-	-	.	-	20
Slovenia	-	-	-	-	-	-	-	-	-	-	.	-
FYROM	-	-	-	-	-	-	-	-	-	-	-	-
EU 15	-	-	507	8	2	-	35	-	-	-	-	552
Other countries	-	-	-	-	-	-	-	-	-	-	-	-
Chapter 3												
Total	-	-	401	78	92	25	-	-	-	47	77	719
Albania	.	-	-	-	-	-	-	-	-	-	-	-
Bulgaria	-	.	-	-	-	-	-	-	-	-	-	-
Czech Republic	-	-	.	-	-	-	-	-	-	40	-	40
Estonia	-	-	-	.	-	7	-	-	-	-	-	7
Hungary	-	-	37	-	.	-	-	-	-	-	-	37
Latvia	-	-	-	55	-	.	-	-	-	-	-	55
Lithuania	-	-	-	4	-	-	.	-	-	-	-	4
Poland	-	-	-	-	-	-	-	.	-	-	-	-
Romania	-	-	-	-	-	-	-	-	.	-	-	-
Slovak Republic	-	-	85	-	78	-	-	-	-	.	-	163
Slovenia	-	-	-	-	-	-	-	-	-	3	.	3
FYROM	-	-	-	-	-	-	-	-	-	-	-	-
EU 15	-	-	280	15	14	11	-	-	-	2	52	374
Other countries	-	-	-	3	-	7	-	-	-	2	25	37

**Table 14. International goods traffic by nationality of carrier and NST/R chapter:
goods dispatched to foreign countries - tonnes, 1997 (continued)**

(1 000 tonnes)

Nationality of carrier	AL	BG	CZ	EE	HU ¹	LV	LT	PL	RO	SK ¹	SI ¹	Total
Country of unloading												
Chapter 4												
Total	-	65	846	5	54	-	44	189	5	111	20	1 339
Albania	.	-	-	-	-	-	-	-	-	-	-	-
Bulgaria	-	.	-	-	-	-	-	-	-	-	-	-
Czech Republic	-	-	.	-	-	-	-	-	-	1	-	1
Estonia	-	-	-	.	-	-	-	-	-	-	-	-
Hungary	-	-	30	-	.	-	-	-	-	83	-	113
Latvia	-	-	-	-	-	.	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	.	-	-	-	-	-
Poland	-	-	21	-	-	-	-	.	-	-	-	21
Romania	-	-	-	-	-	-	-	-	.	-	-	-
Slovak Republic	-	-	29	-	-	-	-	-	-	.	-	29
Slovenia	-	-	-	-	-	-	-	-	-	-	.	-
FYROM	-	44	-	-	-	-	-	-	-	-	-	44
EU 15	-	21	766	5	36	-	44	155	5	27	20	1 079
Other countries	-	-	-	-	18	-	-	34	-	-	-	52
Chapter 5												
Total	-	119	1 391	13	235	1	-	1 372	23	460	277	3 890
Albania	.	-	-	-	-	-	-	-	-	-	-	-
Bulgaria	-	.	-	-	-	-	-	-	-	2	-	2
Czech Republic	-	-	.	-	1	-	-	-	-	113	-	114
Estonia	-	-	-	.	-	-	-	-	-	-	-	-
Hungary	-	-	-	-	.	-	-	33	-	18	6	57
Latvia	-	-	-	6	-	.	-	-	-	-	-	6
Lithuania	-	-	-	-	-	-	.	-	-	-	-	-
Poland	-	-	21	-	-	-	-	.	-	31	3	55
Romania	-	-	-	-	-	-	-	-	.	7	0	7
Slovak Republic	-	-	30	-	0	-	-	-	-	.	4	34
Slovenia	-	-	-	-	-	-	-	-	-	16	.	16
FYROM	-	61	-	-	-	-	-	-	-	-	-	61
EU 15	-	16	1 306	2	226	-	-	1 179	17	258	220	3 225
Other countries	-	42	34	4	8	1	-	160	6	15	44	314

**Table 14. International goods traffic by nationality of carrier and NST/R chapter:
goods dispatched to foreign countries - tonnes, 1997 (continued)**

(1 000 tonnes)

Nationality of carrier	AL	BG	CZ	EE	HU ¹	LV	LT	PL	RO	SK ¹	SI ¹	Total
Country of unloading												
Chapter 6												
Total	-	88	3 658	93	315	21	48	1 863	40	393	336	6 855
Albania	.	-	-	-	-	-	-	-	-	-	-	-
Bulgaria	-	.	-	-	-	-	-	-	-	-	-	-
Czech Republic	-	-	.	-	-	-	-	674	-	152	-	826
Estonia	-	-	-	.	-	-	-	-	-	-	-	-
Hungary	-	-	38	-	.	-	-	-	-	79	17	134
Latvia	-	-	-	57	-	.	5	-	-	-	-	62
Lithuania	-	-	-	2	-	-	.	-	-	-	-	2
Poland	-	-	292	7	-	4	-	.	-	23	3	329
Romania	-	-	-	-	38	-	-	-	.	0	-	38
Slovak Republic	-	-	72	-	0	-	-	-	-	.	-	72
Slovenia	-	-	23	-	9	-	-	-	-	-	.	32
FYROM	-	74	-	-	-	-	-	-	1	-	-	74
EU 15	-	-	3 217	20	248	3	-	1 117	34	130	149	4 917
Other countries	-	14	16	6	20	14	43	71	6	9	167	368
Chapter 7												
Total	-	111	183	14	9	5	-	-	-	58	26	406
Albania	.	-	-	-	-	-	-	-	-	-	-	-
Bulgaria	-	.	-	-	-	-	-	-	-	-	-	-
Czech Republic	-	-	.	-	-	-	-	-	-	5	-	5
Estonia	-	-	-	.	-	-	-	-	-	-	-	-
Hungary	-	-	-	-	.	-	-	-	-	15	-	15
Latvia	-	.	-	-	-	.	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	.	-	-	-	-	-
Poland	-	-	-	-	-	-	-	.	-	1	-	1
Romania	-	-	-	-	2	-	-	-	.	-	-	2
Slovak Republic	-	-	-	-	-	-	-	-	-	.	-	-
Slovenia	-	-	-	-	-	-	-	-	-	-	.	-
FYROM	-	37	-	-	-	-	-	-	-	-	-	37
EU 15	-	31	183	10	7	5	-	-	-	32	-	267
Other countries	-	43	-	4	-	-	-	-	-	5	26	78

**Table 14. International goods traffic by nationality of carrier and NST/R chapter:
goods dispatched to foreign countries - tonnes, 1997 (continued)**

(1 000 tonnes)

Nationality of carrier	AL	BG	CZ	EE	HU ¹	LV	LT	PL	RO	SK ¹	SI ¹	Total
Country of unloading												
Chapter 8												
Total	-	196	2 215	107	382	31	46	651	58	358	124	4 168
Albania	.	-	-	-	-	-	-	-	-	-	-	-
Bulgaria	-	.	28	-	-	-	-	-	-	-	-	28
Czech Republic	-	-	.	-	23	-	-	23	-	54	8	108
Estonia	-	-	-	.	-	0	-	50	-	-	-	50
Hungary	-	-	61	-	.	-	-	30	-	18	8	117
Latvia	-	-	-	43	-	.	-	27	-	-	-	70
Lithuania	-	-	-	33	-	6	.	16	-	-	-	55
Poland	-	-	132	-	30	-	-	.	-	88	11	261
Romania	-	-	-	-	17	-	-	-	.	22	-	39
Slovak Republic	-	-	236	-	16	-	-	-	-	.	-	252
Slovenia	-	-	28	-	2	-	-	-	-	-	.	30
FYROM	-	-	-	-	-	-	-	-	-	-	-	-
EU 15	-	121	1 657	15	231	5	22	456	58	141	33	2 738
Other countries	-	74	72	16	63	20	25	49	1	35	64	419
Chapter 9												
Total	20	893	6 990	161	1 625	281	177	3 357	467	878	985	15 834
Albania	.	14	-	-	-	-	-	-	-	-	-	14
Bulgaria	-	.	-	-	-	-	-	-	-	9	0	9
Czech Republic	-	2	.	5	11	-	-	113	-	134	17	283
Estonia	-	13	-	.	-	11	2	-	-	-	-	26
Hungary	-	-	93	-	.	-	-	115	45	49	53	355
Latvia	-	-	19	28	-	.	2	-	-	-	-	49
Lithuania	-	-	2	8	-	40	.	-	-	-	-	50
Poland	-	-	188	5	64	10	48	.	3	60	29	406
Romania	-	29	-	-	20	8	-	-	.	14	-	71
Slovak Republic	-	-	449	-	29	-	-	9	-	.	13	500
Slovenia	-	-	20	-	12	-	-	-	6	17	.	55
FYROM	5	69	-	-	1	-	-	-	-	-	4	79
EU 15	15	230	5 986	67	1 358	47	32	2 906	374	500	628	12 142
Other countries	-	535	233	48	130	166	93	214	39	95	241	1 794

¹ Data for quarters 3 and 4 of 1997 plus quarters 1 and 2 of 1998

**Table 15. International goods traffic by nationality of carrier and type of carriage:
goods dispatched to foreign countries - tonnes, 1997**

(1 000 tonnes)												
Nationality of carrier	AL	BG	CZ	EE	HU ¹	LV	LT	PL	RO	SK ¹	SI ¹	Total
Country of unloading												
For hire or reward												
PHARE countries	5	358	2 237	271	440	187	98	1 052	61	1 192	182	6 082
Albania	.	43	-	-	-	-	-	-	-	-	-	43
Bulgaria	-	.	28	-	-	-	-	-	-	11	0	39
Czech Republic	-	-	.	5	45	-	-	810	9	514	18	1 402
Estonia	-	13	-	.	-	30	3	50	-	-	-	96
Hungary	-	-	259	-	.	-	26	124	38	367	96	911
Latvia	-	-	19	202	-	.	21	27	-	6	-	274
Lithuania	-	-	2	40	-	77	.	26	-	0	-	146
Poland	-	54	670	24	108	67	48	.	3	203	47	1 223
Romania	-	45	-	-	88	12	-	-	.	51	-	196
Slovak Republic	-	-	1 140	-	162	-	-	15	-	.	17	1 333
Slovenia	-	-	119	-	36	-	-	-	11	40	.	206
FYROM	5	202	-	-	1	-	-	-	1	-	4	212
EU 15	10	522	15 436	209	2 258	162	482	7 809	452	1 193	1 176	29 708
of which:												
Austria	-	-	1 734	-	307	5	-	147	5	119	153	2 470
France	-	-	828	13	142	27	37	466	24	52	62	1 651
Germany	-	37	9 795	71	933	100	297	4 548	270	608	361	17 020
Italy	-	66	993	8	486	7	19	685	90	262	491	3 106
Sweden	-	-	136	-	46	-	-	356	-	5	2	545
Other countries	-	844	566	180	289	491	545	709	84	212	598	4 518
of which:												
Belarus	-	78	-	5	8	34	22	39	-	2	-	189
Norway	-	-	-	-	22	-	-	-	-	2	3	27
Russian Federation	-	171	329	162	56	426	449	568	51	134	63	2 408
Turkey	-	210	21	4	18	-	-	-	-	1	-	254
Ukraine	-	80	50	9	15	26	74	65	8	45	7	378

**Table 15. International goods traffic by nationality of carrier and type of carriage:
goods dispatched to foreign countries - tonnes, 1997 (continued)**

(1 000 tonnes)

Nationality of carrier	AL	BG	CZ	EE	HU ¹	LV	LT	PL	RO	SK ¹	SI ¹	Total
Country of unloading												
On own account												
PHARE countries	0	127	217	22	79	22	72	54	119	140	14	866
Albania	-	-	-	-	-	-	-	-	-	-	-	-
Bulgaria	-	-	-	-	-	-	-	-	107	-	-	107
Czech Republic	-	2	-	-	48	-	28	-	-	109	10	197
Estonia	-	-	-	-	-	10	2	-	-	-	-	12
Hungary	-	-	-	-	-	-	-	54	12	16	-	82
Latvia	-	-	-	2	-	-	31	-	-	-	-	32
Lithuania	-	-	-	20	-	12	-	-	-	-	-	32
Poland	-	-	71	-	7	1	12	-	-	10	2	102
Romania	-	-	-	-	9	-	-	-	-	-	0	9
Slovak Republic	-	-	145	-	1	-	-	-	-	-	-	146
Slovenia	-	-	-	-	14	-	-	-	-	5	-	19
FYROM	0	125	-	-	-	-	-	-	-	-	2	127
EU 15	6	261	1842	27	388	26	12	300	170	84	70	3187
of which:												
Austria	-	-	438	-	305	-	-	9	-	1	6	758
France	-	-	25	-	9	-	-	13	-	2	9	59
Germany	-	-	1257	27	46	11	12	226	103	68	11	1761
Italy	-	11	55	-	24	2	-	27	64	2	41	226
Sweden	-	-	-	-	-	11	-	21	-	-	2	33
Other countries	-	278	14	14	14	45	12	257	11	2	98	745
of which:												
Belarus	-	14	-	-	-	5	1	-	-	-	-	20
Norway	-	-	-	-	-	-	-	-	-	-	-	-
Russian Federation	-	98	-	14	-	28	12	69	3	-	-	225
Turkey	-	14	-	-	-	-	-	-	-	-	-	14
Ukraine	-	33	14	-	-	12	-	188	-	-	-	246

¹ Data for quarters 3 and 4 of 1997 plus quarters 1 and 2 of 1998

**Table 16. International goods traffic by nationality of carrier and type of carriage:
goods received from foreign countries – tonne-kilometres, 1997**

<i>(million tonne-kilometres)</i>												
Nationality of carrier	AL	BG	CZ	EE	HU ¹	LV	LT	PL	RO	SK ¹	SI ¹	Total
Country of loading												
All types of carriage												
PHARE countries	21	9	609	98	202	123	214	1 503	72	299	169	3 320
Albania	.	-	-	-	-	-	-	-	-	-	-	-
Bulgaria	3	.	-	-	-	-	-	112	-	8	-	123
Czech Republic	-	-	.	8	51	9	-	572	33	150	27	849
Estonia	-	-	-	.	-	30	-	-	-	-	-	30
Hungary	-	-	71	8	.	15	-	154	30	58	74	409
Latvia	-	-	33	49	-	.	9	31	-	-	-	122
Lithuania	-	-	1	6	-	35	.	20	-	1	-	63
Poland	-	-	163	27	39	25	201	.	7	45	43	550
Romania	-	9	-	-	54	-	-	5	.	17	5	91
Slovak Republic	-	-	259	-	40	10	4	608	-	.	14	935
Slovenia	-	-	83	-	17	-	-	-	3	21	.	124
FYROM	18	-	-	-	-	-	-	-	-	-	6	23
EU 15	80	208	8 419	283	2 205	415	386	7 838	1 152	1 033	934	22 952
Austria	-	-	518	2	117	3	11	186	12	59	57	965
Belgium	-	-	514	5	97	21	-	692	36	81	19	1 464
Denmark	-	-	78	10	32	-	48	204	14	1	9	394
Finland	-	-	63	26	28	9	-	45	-	1	-	171
France	-	-	967	-	207	29	-	481	80	72	106	1 941
Greece	79	126	40	-	8	-	-	-	46	3	-	302
Germany	-	44	3 397	115	939	225	230	3 558	591	420	345	9 865
Ireland	-	-	-	-	-	-	-	-	-	-	-	-
Italy	0	37	802	54	418	86	12	964	177	213	204	2 966
Luxembourg	-	-	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	711	37	73	40	86	985	128	55	89	2 203
Portugal	-	-	89	-	-	-	-	-	-	-	19	108
Spain	-	-	493	34	104	-	-	411	19	100	27	1 187
Sweden	-	-	165	-	50	3	-	307	-	9	3	537
United Kingdom	-	-	583	-	133	-	-	4	51	19	57	848
Other countries	1	204	359	35	169	102	102	379	117	88	179	1 735
Belarus	-	-	58	4	-	3	39	-	-	-	-	104
Bosnia & Herzegovina	-	-	-	-	-	-	-	-	-	-	-	-
Croatia	-	6	15	-	12	-	-	-	-	7	105	144
Norway	-	-	71	-	-	-	-	-	-	-	1	72
Russian Federation	-	143	86	16	21	72	63	289	19	55	37	801
Yugoslavia	-	20	-	-	25	-	-	-	-	-	21	66
Switzerland	-	-	60	-	28	-	-	17	11	5	-	121
Turkey	1	6	-	-	9	-	-	9	1	-	-	25
Ukraine	-	-	69	15	5	27	-	52	-	0	16	184
Other European	-	-	-	-	70	-	-	11	6	12	-	99
North Africa	-	-	-	-	-	-	-	-	-	9	-	9
Near & Middle East	-	29	-	-	-	-	-	-	-	-	-	29
Other	-	-	-	-	-	-	-	-	82	-	-	82

Table 16. International goods traffic by nationality of carrier and type of carriage:
goods received from foreign countries – tone-kilometres, 1997 (continued)
(million tonne-kilometres)

Nationality of carrier	AL	BG	CZ	EE	HU ¹	LV	LT	PL	RO	SK ¹	SI ¹	Total
Country of loading												
For hire or reward												
PHARE countries	16	9	539	91	189	82	156	1 448	67	276	156	3 029
Albania	.	-	-	-	-	-	-	-	-	-	-	-
Bulgaria	3	.	-	-	-	-	-	112	-	8	-	123
Czech Republic	-	-	.	3	51	9	-	572	33	132	24	824
Estonia	-	-	-	.	-	15	-	-	-	-	-	15
Hungary	-	-	69	8	.	15	-	124	24	53	68	361
Latvia	-	-	33	47	-	.	0	31	-	-	-	112
Lithuania	-	-	1	6	-	18	.	20	-	1	-	46
Poland	-	-	128	27	39	15	151	.	7	45	40	452
Romania	-	9	-	-	52	-	-	-	.	16	5	83
Slovak Republic	-	-	225	-	31	10	4	588	-	.	14	872
Slovenia	-	-	83	-	17	-	-	-	3	21	.	123
FYROM	13	-	-	-	-	-	-	-	-	-	6	18
EU 15	25	124	7 830	280	2 047	353	250	7 512	951	1 015	900	21 288
of which:												
Austria	-	-	491	2	109	3	-	162	10	58	50	886
France	-	-	955	-	167	29	-	481	80	71	98	1 880
Germany	-	44	3 023	115	894	179	173	3 296	414	403	331	8 872
Italy	-	22	741	54	388	86	12	937	154	213	203	2 808
Sweden	-	-	165	-	50	3	-	294	-	9	-	520
Other countries	1	130	358	35	164	71	82	325	36	88	173	1 462
of which:												
Belarus	-	-	58	4	-	1	28	-	-	-	-	91
Norway	-	-	71	-	-	-	-	-	-	-	1	72
Russian Federation	-	109	84	16	21	51	54	280	19	55	37	726
Turkey	1	6	-	-	9	-	-	-	1	-	-	16
Ukraine	-	-	69	15	3	18	-	17	-	0	16	139

Table 16. International goods traffic by nationality of carrier and type of carriage:
goods received from foreign countries – tonne-kilometres, 1997 (continued)
(million tonne-kilometres)

Nationality of carrier	AL	BG	CZ	EE	HU ¹	LV	LT	PL	RO	SK ¹	SI ¹	Total
Country of loading												
On own account												
PHARE countries	5	-	71	7	12	42	59	56	5	23	12	291
Albania	-	-	-	-	-	-	-	-	-	-	-	-
Bulgaria	-	-	-	-	-	-	-	-	-	-	-	-
Czech Republic	-	-	-	5	-	-	-	-	-	17	3	25
Estonia	-	-	-	-	-	15	-	-	-	-	-	15
Hungary	-	-	2	-	-	-	-	30	5	5	6	48
Latvia	-	-	-	2	-	-	9	-	-	-	-	10
Lithuania	-	-	-	-	-	17	-	-	-	-	-	17
Poland	-	-	35	-	-	10	50	-	-	0	3	98
Romania	-	-	-	-	2	-	-	5	-	1	-	8
Slovak Republic	-	-	33	-	9	-	-	21	-	-	-	63
Slovenia	-	-	-	-	1	-	-	-	-	-	-	1
FYROM	5	-	-	-	-	-	-	-	-	-	-	5
EU 15	54	84	589	3	157	62	136	326	202	18	34	1 664
of which:												
Austria	-	-	28	-	9	-	11	24	1	0	7	79
France	-	-	12	-	39	-	-	-	-	1	9	61
Germany	-	-	374	0	45	47	57	262	177	17	14	993
Italy	0	15	61	-	30	-	-	27	23	0	1	158
Sweden	-	-	-	-	-	-	-	13	-	-	3	16
Other countries	-	75	2	-	5	31	20	53	82	-	6	273
of which:												
Belarus	-	-	-	-	-	2	11	-	-	-	-	13
Norway	-	-	-	-	-	-	-	-	-	-	-	-
Russian Federation	-	34	2	-	-	21	9	9	-	-	-	75
Turkey	-	-	-	-	-	-	-	9	-	-	-	9
Ukraine	-	-	-	-	2	8	-	35	-	-	-	45

¹ Data for quarters 3 and 4 of 1997 plus quarters 1 and 2 of 1998

**Table 17. International goods traffic by nationality of carrier and type of carriage:
goods dispatched to foreign countries – tonne-kilometres, 1997**

(million tonne-kilometres)

Nationality of carrier	AL	BG	CZ	EE	HU ¹	LV	LT	PL	RO	SK ¹	SI ¹	Total
Country of unloading												
All types of carriage												
PHARE countries	1	381	970	142	279	144	148	388	85	618	141	3 298
Albania	-	37	-	-	-	-	-	-	-	-	-	37
Bulgaria	-	-	50	-	-	-	-	-	43	21	1	115
Czech Republic	-	5	-	8	53	-	36	76	10	248	23	459
Estonia	-	7	-	-	-	17	2	88	-	-	-	114
Hungary	-	-	145	-	-	-	42	173	13	99	42	515
Latvia	-	-	32	71	-	-	17	22	-	9	-	152
Lithuania	-	-	3	38	-	29	-	18	-	1	-	88
Poland	-	126	211	24	99	69	51	-	3	146	56	785
Romania	-	19	-	-	54	29	-	-	-	63	1	165
Slovak Republic	-	-	470	-	45	-	-	11	-	-	10	536
Slovenia	-	-	59	-	28	-	-	-	15	30	-	132
FYROM	1	188	-	-	1	-	-	-	0	-	8	199
EU 15	8	608	9 846	373	3 137	379	800	8 660	1 170	1 626	951	27 557
Austria	-	-	616	-	238	7	-	128	7	46	58	1 100
Belgium	-	-	402	38	93	37	90	595	56	89	12	1 411
Denmark	-	-	172	12	31	-	-	275	4	12	25	530
Finland	-	-	87	27	60	7	-	-	-	2	-	183
France	-	-	968	28	296	76	111	1 012	45	116	112	2 763
Greece	8	415	43	-	8	-	-	-	-	-	-	473
Germany	-	75	4 863	193	1 180	219	421	3 853	683	788	387	12 662
Ireland	-	-	-	-	15	-	-	-	-	-	-	15
Italy	-	118	997	22	630	24	36	1 141	269	371	186	3 794
Luxembourg	-	-	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	573	38	183	5	81	842	54	89	58	1 923
Portugal	-	-	86	-	-	-	-	-	-	6	9	101
Spain	-	-	320	16	51	-	-	204	-	58	34	683
Sweden	-	-	90	-	103	4	-	271	-	8	8	483
United Kingdom	-	-	629	-	250	-	63	338	51	43	64	1 438
Other countries	-	1 891	918	220	469	568	626	1 144	161	431	400	6 828
Belarus	-	261	-	8	24	19	6	19	-	3	-	340
Bosnia & Herzegovina	-	-	22	-	-	-	-	-	1	2	27	52
Croatia	-	136	22	-	19	-	-	-	-	9	119	304
Norway	-	-	-	-	42	-	-	-	-	4	8	55
Russian Federation	-	600	556	183	135	490	517	852	113	339	178	3 964
Yugoslavia	-	91	-	-	11	-	-	-	-	-	59	161
Switzerland	-	-	59	-	40	7	-	-	38	2	-	146
Turkey	-	225	40	18	31	-	-	-	-	2	-	316
Ukraine	-	185	83	12	21	47	102	140	2	51	9	652
Other European	-	-	-	-	126	5	-	22	6	12	-	171
North Africa	-	-	-	-	-	-	-	-	-	9	-	9
Near & Middle East	-	88	-	-	20	-	-	111	-	-	-	219
Other	-	303	136	-	-	-	-	-	-	-	-	440

Table 17. International goods traffic by nationality of carrier and type of carriage:
goods dispatched to foreign countries – tonne-kilometres, 1997 (continued)

(million tonne-kilometres)

Nationality of carrier	AL	BG	CZ	EE	HU ¹	LV	LT	PL	RO	SK ¹	SI ¹	Total
Country of unloading												
For hire or reward												
PHARE countries	1	316	896	129	237	136	95	322	40	559	128	2 858
Albania	.	37	-	-	-	-	-	-	-	-	-	37
Bulgaria	-	.	50	-	-	-	-	-	-	21	1	72
Czech Republic	-	-	.	8	30	-	-	76	10	204	15	344
Estonia	-	7	-	.	-	13	2	88	-	-	-	109
Hungary	-	-	145	-	.	-	42	107	11	94	42	442
Latvia	-	-	32	71	-	.	7	22	-	9	-	141
Lithuania	-	-	3	26	-	25	.	18	-	1	-	73
Poland	-	126	202	24	91	68	44	.	3	138	54	750
Romania	-	19	-	-	50	29	-	-	.	63	-	161
Slovak Republic	-	-	404	-	44	-	-	11	-	.	10	470
Slovenia	-	-	59	-	21	-	-	-	15	28	.	123
FYROM	1	128	-	-	1	-	-	-	0	-	6	136
EU 15	5	429	9 109	317	2 966	344	790	8 384	911	1 513	901	25 670
of which:												
Austria	-	-	552	-	171	7	-	117	7	46	55	956
France	-	-	946	28	283	76	111	1 001	45	112	92	2 694
Germany	-	75	4 382	137	1 125	197	411	3 651	516	700	372	11 566
Italy	-	99	936	22	599	20	36	1 099	185	369	178	3 543
Sweden	-	-	90	-	103	-	-	267	-	8	4	472
Other countries	-	1 414	903	207	451	524	612	998	146	422	367	6 044
of which:												
Belarus	-	240	-	8	24	17	6	19	-	3	-	316
Norway	-	-	-	-	42	-	-	-	-	4	8	55
Russian Federation	-	374	556	169	135	462	503	787	113	339	178	3 617
Turkey	-	214	40	18	31	-	-	-	-	2	-	305
Ukraine	-	129	68	12	21	33	102	58	2	51	9	485

Table 17. International goods traffic by nationality of carrier and type of carriage:
goods dispatched to foreign countries – tonne-kilometres, 1997 (continued)
(million tonne-kilometres)

Nationality of carrier	AL	BG	CZ	EE	HU ¹	LV	LT	PL	RO	SK ¹	SI ¹	Total
Country of unloading												
On own account												
PHARE countries	0	65	74	12	42	8	54	66	45	60	13	439
Albania	-	-	-	-	-	-	-	-	-	-	-	-
Bulgaria	-	-	-	-	-	-	-	-	43	-	-	43
Czech Republic	-	5	-	-	23	-	36	-	-	44	8	115
Estonia	-	-	-	-	-	4	1	-	-	-	-	5
Hungary	-	-	-	-	-	-	-	66	2	5	-	73
Latvia	-	-	-	0	-	-	10	-	-	-	-	11
Lithuania	-	-	-	12	-	4	-	-	-	-	-	16
Poland	-	-	8	-	9	0	7	-	-	8	2	35
Romania	-	-	-	-	4	-	-	-	-	-	1	4
Slovak Republic	-	-	66	-	0	-	-	-	-	-	-	66
Slovenia	-	-	-	-	7	-	-	-	-	2	-	9
FYROM	0	60	-	-	-	-	-	-	-	-	2	62
EU 15	2	179	737	56	171	35	10	276	259	113	50	1 887
of which:												
Austria	-	-	64	-	67	-	-	10	-	0	2	144
France	-	-	22	-	13	-	-	11	-	4	19	69
Germany	-	-	482	56	56	21	10	202	166	88	15	1 096
Italy	-	19	60	-	30	4	-	43	84	2	8	250
Sweden	-	-	-	-	-	4	-	3	-	-	4	11
Other countries	-	477	15	13	18	45	14	146	14	9	33	784
of which:												
Belarus	-	21	-	-	-	2	0	-	-	-	-	24
Norway	-	-	-	-	-	-	-	-	-	-	-	-
Russian Federation	-	226	-	13	-	28	14	65	0	-	-	347
Turkey	-	11	-	-	-	-	-	-	-	-	-	11
Ukraine	-	56	15	-	-	14	-	82	-	-	-	167

¹ Data for quarters 3 and 4 of 1997 plus quarters 1 and 2 of 1998

Table 18. Cross-trading according to country and type of carriage, 1997

Area of		(1000 tonnes)			(million tkm)		
Loading	Unloading	Total	Hire or reward	Own account	Total	Hire or reward	Own account
Total							
EU states							
	EU states	3 260	3 163	97	1 775	1 742	34
	PHARE countries	910	902	8	1 194	1 182	12
	Other countries	1 426	1 408	18	3 513	3 490	24
PHARE countries							
	EU states	675	665	10	894	885	9
	PHARE countries	1 052	880	172	388	372	15
	Other countries	276	258	17	651	614	38
Other countries							
	EU states	170	170	0	361	361	0
	PHARE countries	66	64	2	117	106	11
	Other countries	236	185	51	190	182	7
Albania							
EU states							
	EU states	21	4	17	5	2	3
	PHARE countries	-	-	-	-	-	-
	Other countries	-	-	-	-	-	-
PHARE countries							
	EU states	-	-	-	-	-	-
	PHARE countries	3	3	-	0	0	-
	Other countries	0	0	-	0	0	-
Other countries							
	EU states	-	-	-	-	-	-
	PHARE countries	-	-	-	-	-	-
	Other countries	-	-	-	-	-	-
Bulgaria							
EU states							
	EU states	-	-	-	-	-	-
	PHARE countries	-	-	-	-	-	-
	Other countries	5	5	-	2	2	-
PHARE countries							
	EU states	-	-	-	-	-	-
	PHARE countries	-	-	-	-	-	-
	Other countries	-	-	-	-	-	-
Other countries							
	EU states	-	-	-	-	-	-
	PHARE countries	14	14	-	31	31	-
	Other countries	28	28	-	52	52	-

Table 18. Cross-trading according to country and type of carriage, 1997
(continued)

Area of		(1000 tonnes)			(million tkm)		
Loading	Unloading	Total	Hire or reward	Own account	Total	Hire or reward	Own account
Czech Republic							
EU states							
	EU states	2 723	2 656	67	1 269	1 249	20
	PHARE countries	431	431	-	443	443	-
	Other countries	71	62	9	128	112	16
PHARE countries							
	EU states	419	419	-	477	477	-
	PHARE countries	514	514	-	100	100	-
	Other countries	-	-	-	-	-	-
Other countries							
	EU states	7	7	-	3	3	-
	PHARE countries	29	29	-	28	28	-
	Other countries	57	57	-	26	26	-
Estonia							
EU states							
	EU states	66	66	0	36	36	0
	PHARE countries	49	49	-	56	56	-
	Other countries	28	28	-	63	63	-
PHARE countries							
	EU states	51	51	-	89	89	-
	PHARE countries	58	58	-	31	31	-
	Other countries	14	14	-	15	15	-
Other countries							
	EU states	2	2	-	6	6	-
	PHARE countries	-	-	-	-	-	-
	Other countries	13	13	-	4	4	-
Hungary¹							
EU states							
	EU states	123	115	8	147	142	4
	PHARE countries	29	27	2	50	45	5
	Other countries	25	25	-	48	48	-
PHARE countries							
	EU states	15	15	-	24	24	-
	PHARE countries	79	58	21	45	44	1
	Other countries	9	6	3	37	35	2
Other countries							
	EU states	24	24	-	65	65	-
	PHARE countries	-	-	-	-	-	-
	Other countries	40	40	-	46	46	-

Table 18. Cross-trading according to country and type of carriage, 1997
(continued)

Area of		(1000 tonnes)			(million tkm)		
Loading	Unloading	Total	Hire or reward	Own account	Total	Hire or reward	Own account
Latvia							
EU states							
	EU states	23	23	-	33	33	-
	PHARE countries	-	-	-	-	-	-
	Other countries	96	96	-	275	275	-
PHARE countries							
	EU states	22	22	-	39	39	-
	PHARE countries	4	4	-	0	0	-
	Other countries	22	22	-	40	40	-
Other countries							
	EU states	15	15	-	42	42	-
	PHARE countries	-	-	-	-	-	-
	Other countries	2	2	-	3	3	-
Lithuania							
EU states							
	EU states	-	-	-	-	-	-
	PHARE countries	15	13	1	44	41	3
	Other countries	173	170	3	415	409	5
PHARE countries							
	EU states	22	18	4	44	39	5
	PHARE countries	33	33	-	49	49	-
	Other countries	160	146	14	386	350	36
Other countries							
	EU states	10	10	-	27	27	-
	PHARE countries	-	-	-	-	-	-
	Other countries	-	-	-	-	-	-
Poland							
EU states							
	EU states	14	14	-	6	6	-
	PHARE countries	40	40	-	74	74	-
	Other countries	695	695	-	1 969	1 969	-
PHARE countries							
	EU states	1	1	-	2	2	-
	PHARE countries	-	-	-	-	-	-
	Other countries	42	42	-	89	89	-
Other countries							
	EU states	67	67	-	141	141	-
	PHARE countries	-	-	-	-	-	-
	Other countries	-	-	-	-	-	-

Table 18. Cross-trading according to country and type of carriage, 1997
(continued)

Area of		(1000 tonnes)			(million tkm)		
Loading	Unloading	Total	Hire or reward	Own account	Total	Hire or reward	Own account
Romania							
EU states							
	EU states	-	-	-	-	-	-
	PHARE countries	0	0	-	0	0	-
	Other countries	20	20	-	49	49	-
PHARE countries							
	EU states	-	-	-	-	-	-
	PHARE countries	-	-	-	-	-	-
	Other countries	-	-	-	-	-	-
Other countries							
	EU states	-	-	-	-	-	-
	PHARE countries	-	-	-	-	-	-
	Other countries	-	-	-	-	-	-
Slovak Republic¹							
EU states							
	EU states	121	116	5	128	122	6
	PHARE countries	324	319	5	495	491	4
	Other countries	77	77	-	254	254	-
PHARE countries							
	EU states	120	117	3	204	201	4
	PHARE countries	346	201	145	150	140	10
	Other countries	29	29	-	80	80	-
Other countries							
	EU states	20	20	-	54	54	-
	PHARE countries	21	19	2	59	48	11
	Other countries	89	39	50	42	39	3
Slovenia¹							
EU states							
	EU states	170	170	-	151	151	-
	PHARE countries	22	22	-	32	32	-
	Other countries	236	229	7	310	308	2
PHARE countries							
	EU states	26	23	3	16	16	0
	PHARE countries	15	9	6	12	7	5
	Other countries	0	0	-	4	4	-
Other countries							
	EU states	26	26	0	24	24	0
	PHARE countries	2	2	-	0	0	-
	Other countries	7	6	1	17	13	5

¹ Data for quarters 3 and 4 of 1997 plus quarters 1 and 2 of 1998

Symbols and abbreviations

Symbols

:	no data available
0 or 0,00	figures less than half the unit used
-	nil (zero)
.	not applicable
tkm	tonne-kilometre

Because the data have been rounded off, some totals may not be the sum of the corresponding elements.

Abbreviations

PHARE countries:

AL	Albania
BG	Bulgaria
CZ	Czech Republic
EE	Estonia
HU	Hungary
LV	Latvia
LT	Lithuania
PL	Poland
RO	Romania
SK	Slovak Republic
SI	Slovenia
FYROM	Former Yugoslav Republic of Macedonia

Bosnia and Herzegovina is not included in the PHARE countries in this publication.

EU-15	the fifteen Member States of the EU: Belgium, Denmark, Germany, Greece, Spain, France, Ireland, Italy, Luxembourg, the Netherlands, Austria, Portugal, Finland, Sweden, United Kingdom
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Classification of goods according to the NST/R

Groups of goods	NST/R ¹ chapter	NST/R ¹ groups	Description
1	0	01	Cereals
2		02, 03	Potatoes, other fresh or frozen fruits and vegetables
3		00, 06	Live animals, sugar beet
4		05	Wood and cork
5		04, 09	Textiles, textile articles and man-made fibres, other raw animal and vegetable materials
6	1	11, 12, 13, 14, 16, 17	Foodstuff and animal fodder
7		18	Oil seeds and oleaginous fruits and fats
8	2	21, 22, 23	Solid mineral fuels
9	3	31	Crude petroleum
10		32, 33, 34	Petroleum products
11	4	41, 46	Iron ore, iron and steel waste and blast furnace dust
12		45	Non-ferrous ores and waste
13	5	51, 52, 53, 54, 55, 56	Metal products
14	6	64, 69	Cement, lime, manufactured building materials
15		61, 62, 63, 65	Crude and manufactured minerals
16	7	71, 72	Natural and chemical fertilizers
17	8	83	Coal chemicals, tar
18		81, 82, 89	Chemicals other than coal chemicals and tar
19		84	Paper pulp and waste paper
20	9	91, 92, 93	Transport equipment, machinery, apparatus, engines, whether or not assembled, and parts thereof
21		94	Manufactures of metal
22		95	Glass, glassware, ceramic products
23		96, 97	Leather, textile, clothing, other manufactured articles
24		99	Miscellaneous articles

¹ Published by the Statistical Office of the European Communities 1968.

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